PB90-147943

Chesapeake Bay Basin Monitoring Program Atlas. Volume 2
Biological and Living Resource Monitoring Programs

(U.S.) Environmental Protection Agency, Annapolis, MD

Aug 89

U.S. Department of Commerce
National Technical Information Service
NTIS

50272-101

REPORT DOCUMENTATION PAGE

1. REPORT NO. CBP/TRS 35/89

2.

3. Recipient's Accession No. PB90 147943/AS

4. Title and Subtitle
Chesapeake Bay Basin Monitoring Program Atlas
Volume II, Biological and Living Resource
Monitoring Programs

5. Report Date August 1989

6.

7. Author(s) Patricia Heasly, Susan Pultz and Richard Batiuk

8. Performing Organization Rept. No.

9. Performing Organization Name and Address
Chesapeake Bay Program
410 Severn Avenue
Annapolis, MD 21403

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.
(C)
(G)

12. Sponsoring Organization Name and Address
Chesapeake Bay Liaison Office
U.S. Environmental Protection Agency
410 Severn Avenue
Annapolis, MD 21403

13. Type of Report & Period Covered

14.

15. Supplementary Notes

16. Abstract (Limit: 200 words)

The Monitoring Program Atlas provides an overview of current long-term environmental monitoring programs in the Chesapeake Bay Basin. The Atlas covers a wide scope of program types, ranging from water quality, living resources, toxics, and physical processes to air quality, acid deposition and climate monitoring programs. The two-volume publication is intended to facilitate coordination and integration of environmental monitoring programs and to encourage the collection of comparable monitoring data basinwide.

17. Document Analysis a. Descriptors

benthos
finfish
living resources
monitoring
phytoplankton
shellfish
submerged aquatic vegetation
waterfowl
zooplankton

b. Identifiers/Open-Ended Terms

Chesapeake Bay

c. COSATI Field/Group

18. Availability Statement No restrictions on distribution

19. Security Class (This Report) Unclassified

20. Security Class (This Page) Unclassified

21. No. of Pages 334

22. Price

(See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce

PB90-147943
United States Environmental Protection Agency
CBP/TRS 35/89

August 1989

CHESAPEAKE BAY BASIN MONITORING PROGRAM ATLAS

Volume II

Biological and Living Resource Monitoring Programs

Chesapeake
Bay
Program

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL INFORMATION SERVICE
SPRINGFIELD, VA. 22161

CHESAPEAKE BAY BASIN MONITORING PROGRAM ATLAS

Volume II

Biological and Living Resource Monitoring Programs

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Annapolis, Maryland
August 1989

1.a

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MARYLAND SHELLFISH SANITATION MONITORING PROGRAM

PROGRAM DESCRIPTION: The Maryland Shellfish Sanitation Monitoring Program, comprised of a network of 800 sampling stations within the Chesapeake Bay basin, monitors the bacteriological quality of all of Maryland's shellfish harvesting waters on a monthly basis. Stations are selected to provide representative data in each shellfish growing area and to reflect the effects of potential pollution sources.

PROGRAM OBJECTIVES: To monitor the bacteriological quality of Maryland's shellfish harvesting waters to assure adequate public health protection from shellstock unsafe for human consumption. To assist in the identification and elimination of pollution sources in the Chesapeake Bay and its tributaries.

DATE INITIATED: Early 1930's

COORDINATING AGENCY:

Maryland Department of the Environment
Water Management Administration
Division of Standards and Certification
2500 Broening Highway
Baltimore, Maryland 21224

FUNDING AGENCIES:

Maryland Department of the Environment
U.S. EPA Region III

PARTICIPATING AGENCIES: Maryland Department of the Environment (MDE)

INVESTIGATORS:

Principal Investigator	Mary Jo Garreis	MDE
Principal Investigator	Paul Di Stefano	MDE

PARAMETERS:

Water Column:
Water Temperature
Dissolved Oxygen
Specific Conductivity
Salinity
Fecal Coliform Bacteria

Shellstock:
Fecal Coliform Bacteria

STATIONS: There are 800 stations located throughout the Chesapeake Bay and its tributaries.

SAMPLE COLLECTION: Water samples are collected monthly from each station and tested for fecal coliform bacteria. Areas restricted to shellfish harvesting are sampled twice a month. Selected stations only are sampled monthly for temperature, salinity and dissolved oxygen.

Shellfish are collected from selected sites and fecal coliform bacteria are enumerated from the shellfish tissue (shellstock).

PROGRAM INTEGRATION: N/A

MARYLAND SHELLFISH SANITATION MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0101002	39 13 03	76 21 09	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	2 3/4 MI N BY E CRAIGHILL (BW N
0101003	39 11 16	76 23 31	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS E OF CRAIGHILL LIGHT
0101004	39 13 36	76 23 41	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ON RED DAY MARKER #2 - OFF BLAC
0101004B	39 14 36	76 21 16	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 3/4 MI E OF CENTER OF HART IS
0101005	39 12 06	76 25 14	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ON SHALLOW CR PT - WILL BE 1 1/
0101006	39 11 25	76 26 33	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS FROM SOUTHERN TIP OF N
0101007	39 12 04	76 27 35	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	OLD ROUND BAY 1000 YDS OFF DAY
0101011	39 12 46	76 31 34	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WEST END OF HAWKINS PT BRIDGE
0101011A	39 13 36	76 30 41	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	EAST END OF HAWKINS PT BRIDGE
0101012	39 10 19	76 30 54	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MID-CHANNEL-MOUTH OF STONEY CR
0101013	39 09 28	76 29 48	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MID-CHANNEL-MOUTH OF ROCK CR
0101015	39 15 18	76 34 29	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDSTREAM OF SHIP CHANNEL
0101018	39 13 50	76 29 55	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	AT END OF PIER ON COFFIN PT
0101019	39 15 11	76 32 20	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FRONT OF DUNDALK MARINE TERM-MO
0101020	39 10 10	76 28 21	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	100 YDS SE OF ROCK PT (OFF FT.
0101025	39 11 51	76 29 37	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ON CHANNEL MARKER #"10-B"
0101027	39 13 13	76 30 06	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FRONT OF SPARROWS PT SHIPYD-PIE
0101028	39 15 12	76 34 29	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	S.SHORE FRONT OF 4 STORY RED BR
0101029	39 15 33	76 34 19	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	LAZARETTO PT - 100' FROM SHORE
0101032	39 11 16	76 31 11	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NUN 6
0101201HM	39 15 33	76 20 32	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	275 YDS N OF NE CORNER OF DIKE
0101207HM	39 14 07	76 22 13	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS E OF SE CORNER OF DIKE
0102001	39 19 04	76 21 50	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SENECA CREEK-40 YDS OFFSHORE FR
0102002	39 18 09	76 21 28	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SENECA CREEK-RED DAY MARK "2"
0102003	39 18 11	76 19 23	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF GUNPOWER RIVER
0102005	39 19 33	76 19 06	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MID-CHANNEL BETWEEN DAYS PT AND
0102006	39 19 55	76 20 32	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MOUTH OF DUNDEE CREEK 300 YDS F
0102010	39 22 16	76 19 59	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	1000 YDS S OF OLIVER PT-100 YDS
0102011	39 21 05	76 19 43	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWER R ABOVE BATTERY PT AND
0102012	39 17 46	76 23 28	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER MID-CHANNEL BETWEE
0102013	39 18 37	76 24 17	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER, FROG MORTAR-100 Y
0102014	39 18 41	76 25 04	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE ABOVE ABOVE WILSON PT-DA
0102015	39 16 18	76 22 07	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED NUN "2"-1500 YDS SE OF WELL
0102016	39 14 30	76 23 52	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BACK RIVER MIDWAY BETWEEN ROCKY
0102017	39 15 31	76 26 36	WT-4	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER 200 YDS OFF WITCHCOA
0102018	39 17 24	76 28 02	WT-4	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER STP
0102203H	39 15 29	76 22 15	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
0103001	39 22 31	76 06 17	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS N OF HOWELL TOWER
0103001A	39 23 28	76 02 40	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS W OF GROVE PT
0103002	39 26 58	76 01 01	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS W OF TURKEY PT
0103002A	39 26 47	76 02 05	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	E SIDE FIRST RAILROAD BRIDGE ON
0103002B	39 26 53	76 03 20	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	W SIDE FIRST RAILROAD BRIDGE ON
0103003	39 28 45	76 04 20	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOCUST PT (PESUTIE ISLAND) FL 4
0103004	39 32 06	76 00 24	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS S OF CARPENTER PT
0103005	39 29 09	75 55 35	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	100' OFF TOWN PT (ROHEMIA RIVER
0103006	39 30 53	75 53 13	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	COURTHOUSE PT - END OF PIER
0103006A	39 31 26	75 52 23	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF BACK CR OR C & D CANAL
0103006C	39 31 41	75 53 01	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER NUN "2"
0103006F	39 31 47	75 48 56	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UNDER 213 OVERHEAD BRIDGE
0103007	39 33 39	75 51 17	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MIDCHANNEL PLUM PT TOWER
0103008	39 28 35	75 56 34	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER, NORTHSHORE OF FO
0103009	39 28 34	75 53 11	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FL R 4 SEC R "2"
0103010	39 27 39	75 51 24	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF GREAT BOHEMIA CR, GREE
0103011	39 27 14	75 51 38	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF LITTLE BOHEMIA CR, GEO
0103012	39 26 32	76 00 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF ELK RIVER, FL R 4 SEC
0103013	39 22 58	76 03 54	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MIDCHANNEL-MOUTH OF SASSAFRAS R
0103014	39 22 09	75 58 47	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	100' OFF END OF ORDINARY PT FLA
0103015	39 22 47	75 56 54	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF FORMAN CR SASSAFRAS RI
0103016	39 21 46	75 53 30	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SASSAFRAS RIVER NUN "14"
0103017	39 29 15	75 59 56	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NE RIVER 500 YDS OFF ROCKY PT
0103018	39 31 50	75 59 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NE RIVER 500 YDS OFF RED PR AT
0103018A	39 33 41	75 58 22	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NE RIVER FL 4 SEC R "10"
0103019	39 35 03	75 57 19	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NE RIVER (50 YDS N OF DAY MARKE
0103019A	39 35 29	75 57 02	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NE RIVER (50 YDS N OF DAY MARKE
0103021	39 32 49	76 02 35	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	50 YDS FROM STUMP PT
0103022	39 33 13	76 05 03	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	CENTER OF FIRST RAILROAD BRIDGE

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0103022A	39 33 19	76 04 49	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	EAST SIDE FIRST RAILROAD BRIDGE
0103022B	39 33 09	76 05 11	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	WEST SIDE FIRST RAILROAD BRIDGE
0103024	39 34 57	76 06 22	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	MID-CHANNEL-NORTH OF FOURTH BRI
0103024A	39 36 13	76 07 05	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	PORT DEPOSIT OR EAST SIDE
0103024B	39 36 04	76 07 49	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	WEST SHORE - OPPOSITE PORT DEPO
0103027	39 30 00	76 05 02	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC "11"
0103028	39 31 44	76 04 58	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS EAST OF HAVRE DEGRACE
0103030	39 28 50	76 02 07	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST RIVER (MIDWAY BETWEEN
0201001	39 17 07	76 11 58	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS W OF TOWER, N MOUTH OF
0201002	39 14 34	76 14 08	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING GREEN 4 SEC LIGHT "21"
0201007	39 12 47	76 15 49	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK AND WHITE NIN BOUY "26B"
0201010	39 08 51	76 17 31	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1500 YDS W OF SWAN PT TOWER "A"
0201800	39 17 58	76 12 27	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK AND WHITE NUN BUOY "42B"
0201801	39 11 40	76 15 57	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING RED 6 SEC. LIGHT "16"
0202005	39 08 48	76 15 40	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID STEAM 50' OFF DEEP LANDING
0202006	39 08 27	76 15 52	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID STREAM 100' OFF GRATITUDE R
0202010	39 07 43	76 15 09	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF ROCK HALL HARBOR
0202010A	39 07 39	76 15 02	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS OUT - SW OF ROCK HALL H
0202014	39 06 04	76 15 38	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN 3
0202014A	39 05 48	76 18 02	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OK FL RED "4"
0202018	39 04 00	76 16 23	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ON RED BELL "2" NE OF LOVE PT L
0202701	39 05 35	76 15 10	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BELL BUOY 1
0202702	39 07 42	76 16 20	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OK FL APPROACH LIGHT TO ROCK HA
0301001	39 04 54	76 30 58	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "13" OFF HENDERSON PT
0301001A	39 04 19	76 30 48	WT-6	WEST CHESAPEAKE	SEVERN	2060004	2000 YDS W OF DAYMARK "1"
0301001C	39 04 32	76 30 10	WT-6	WEST CHESAPEAKE	SEVERN	2060004	FL R 10 SEC. "12" OFF N FERRY P
0301003	39 04 10	76 28 55	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "9" OFF ULMSTEAD PT
0301003C	39 04 31	76 29 32	WT-6	WEST CHESAPEAKE	SEVERN	2060004	1000 YDS S OF CHESTNECK PT
0301004	39 04 37	76 28 36	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "2" OFF PARK PT
0301005A	39 03 44	76 27 27	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "7" OFF SHORE ACRES
0301005B	39 04 49	76 27 43	WT-6	WEST CHESAPEAKE	SEVERN	2060004	SILLERY BAY-1/2 BETWEEN DOBBINS
0301005C	39 05 15	76 27 39	WT-6	WEST CHESAPEAKE	SEVERN	2060004	1/2 BETWEEN DAYMARK "2" AND SYL
0301006B	39 05 46	76 26 28	WT-6	WEST CHESAPEAKE	SEVERN	2060004	50 YDS N OF LONG PT CORNFIELL C
0301007	39 04 49	76 27 22	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "1" OFF DOBBINS ISLAND
0301009	39 03 28	76 26 11	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "5" AT THE MOUTH OF MAG
0301009A	39 03 15	76 26 56	WT-6	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "1" AT ENTRANCE TO DEEP
0301011	39 03 44	76 29 19	WT-6	WEST CHESAPEAKE	SEVERN	2060004	FL GREEN 4 SEC AT MOUTH OF FORK
0301800	39 04 30	76 29 50	WT-6	WEST CHESAPEAKE	SEVERN	2060004	MIDWAY BETWEEN CHEST NECK PT AN
0301801	39 05 04	76 27 29	WT-6	WEST CHESAPEAKE	SEVERN	2060004	500 YDS EAST OF LITTLE ISLAND O
0301802	39 05 12	76 26 56	WT-6	WEST CHESAPEAKE	SEVERN	2060004	MIDWAY BETWEEN STATION 801 AND
0302001	39 07 55	76 26 48	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BAYSIDE BEACH AT END OF SW RD
0302001A	39 07 51	76 27 34	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	INSIDE BACK CR OF BAHAMA BEACH
0302002A	39 07 33	76 28 14	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MAIN CR OFF CARBACKS MARINE RAI
0302003	39 07 43	76 27 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MOUTH OF VENTNOR MARINE AT MOUT
0302003C	39 07 08	76 26 46	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WHARF CR AT END OF DOCK ROAD
0302005	39 07 59	76 26 19	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MOUTH OF BODKIN CR
0302006A	39 09 11	76 27 54	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	100 FT OFF PASADENA BEACH
0302006B	39 09 20	76 28 06	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	100 FT OFF KURTZ'S BEACH
0302007	39 07 30	76 25 35	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN TWIN TOWERS ON
0302008	39 05 06	76 24 58	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS NE OF TOWER; 1500 YDS
0302009	39 09 20	76 24 33	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SEVEN FOOT KNOLL LIGHT
0302009A	39 04 37	76 22 24	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK AND WHITE NUN "12B" NE OF
0302009B	39 06 17	76 22 27	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	2 1/2 MI E OF GABLE AT MT CARME
0302009C	39 08 35	76 22 21	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SIX FOOT KNOLL
0302010	39 02 20	76 24 22	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/4 MI NW OF OLD TOWER ON
0302011A	39 00 52	76 23 38	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SANDY PT ST PARK E BEACH-MIDDLE
0302011B	39 01 21	76 23 22	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DNR RESTRICTED AREA BUOY AA
0302011C	39 01 39	76 23 33	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DNR RESTRICTED AREA BUOY BB
0303001A	39 00 29	76 23 48	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SWIM LINE AT SANDY PT ST PARK
0303002A	38 58 16	76 24 45	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN "1"
0303004	38 59 12	76 26 15	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC "2 WHITEHALL BAY
0303005	39 00 02	76 25 54	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED DAYMARK "6" AT MOUTH OF WHI
0303005A	39 00 02	76 25 31	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF MEREDITH CR
0303006	38 59 35	76 26 52	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED DAYMARK "10" AT MOUTH OF MI
0303010	38 55 42	76 27 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF MOUTH OF UNNAMED CR BELOW B
0303103	38 54 48	76 27 51	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN 1-L G 4 SEC "5"
0303200	38 58 06	76 27 14	WT-7	WEST CHESAPEAKE	SEVERN	2060004	GREENBURY LIGHT

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0303202	38 57 09	76 26 17	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED NUN "4"
0303204	38 56 37	76 26 52	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS NE OF TOLLY PT
0303205	38 55 54	76 25 53	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	F 1 4 SEC BELL "77"
0304002A	39 02 32	76 33 26	WT-7	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "2" OFF LONG PT
0304005	39 02 34	76 32 18	WT-7	WEST CHESAPEAKE	SEVERN	2060004	MOUTH OF ROUND BAY N SIDE, 50 Y
0304008	39 01 54	76 31 37	WT-7	WEST CHESAPEAKE	SEVERN	2060004	ACROSS RIVER FROM BREWER PT 100
0304011	39 00 55	76 30 56	WT-7	WEST CHESAPEAKE	SEVERN	2060004	100 FT IN FRONT OF PINES ON THE
0304013	39 00 33	76 30 47	WT-7	WEST CHESAPEAKE	SEVERN	2060004	100 FT IN FRONT OF STP ON S SHO
0304020	38 59 36	76 28 57	WT-7	WEST CHESAPEAKE	SEVERN	2060004	JONAS GREEN ST PARK
0304028	38 58 52	76 27 24	WT-7	WEST CHESAPEAKE	SEVERN	2060004	MOUTH OF CARR CREEK (BACK OF RA
0304029	38 57 58	76 27 23	WT-7	WEST CHESAPEAKE	SEVERN	2060004	100 YDS IF SE OF CHINKS PT
0304150	39 03 31	76 33 47	WT-7	WEST CHESAPEAKE	SEVERN	2060004	1000 YDS SOUTH OF CEDAR PT HEAD
0304152	39 04 09	76 34 35	WT-7	WEST CHESAPEAKE	SEVERN	2060004	2000 YDS SOUTH OF CEDAR PT HEAD
0305004	39 52 48	76 27 42	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	2000 YDS E OF 10' HIGH QUICK F
0305005	38 52 15	76 26 38	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL G 4 SEE "73"
0305006	38 53 51	76 25 55	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	THOMAS PT LIGHT
0305201	38 52 11	76 28 52	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAYMARK 1
0305204	38 53 15	76 28 57	WT-8	WEST CHESAPEAKE	SEVERN	2060004	2000 YDS E OF SAUNDERS PT
0306002	36 57 05	76 32 20	WT-8	WEST CHESAPEAKE	SEVERN	2060004	250 YDS OFF END OF PT BETWEEN C
0306006	38 56 08	76 31 23	WT-8	WEST CHESAPEAKE	SEVERN	2060004	500 YDS N CEDAR PT
0306011	38 55 16	76 30 44	WT-8	WEST CHESAPEAKE	SEVERN	2060004	NORTH END OF MAY PT (DAYMARK 9)
0306012	38 55 23	76 30 00	WT-8	WEST CHESAPEAKE	SEVERN	2060004	500 YDS S OF HILL PT
0306013A	38 55 37	76 29 18	WT-8	WEST CHESAPEAKE	SEVERN	2060004	1/2 WAY BETWEEN DAYMARK "1" AND
0306015	38 54 33	76 30 15	WT-8	WEST CHESAPEAKE	SEVERN	2060004	FLASHING RED 2.5 SEC LIGHT "2"
0306016	38 54 38	76 29 38	WT-8	WEST CHESAPEAKE	SEVERN	2060004	WEST SIDE TIP OF TURKEY PT
0306016	38 54 38	76 29 38	WT-8	WEST CHESAPEAKE	SEVERN	2060004	W SIDE TIP OF TURKEY PT
0306017	38 54 54	76 29 22	WT-8	WEST CHESAPEAKE	SEVERN	2060004	100 YDS N OF FLASHING RED 4 SEC
0306104	38 55 50	76 29 02	WT-8	WEST CHESAPEAKE	SEVERN	2060004	700 YDS N OF DAYMARK "3" IN DUV
0306106	38 56 32	76 31 19	WT-8	WEST CHESAPEAKE	SEVERN	2060004	MOUTH OF ABERDEEN CR
0306110	38 57 03	76 33 28	WT-8	WEST CHESAPEAKE	SEVERN	2060004	W OF S RIVER BRIDGE, S SIDE OF
0306111	38 56 05	76 32 16	WT-8	WEST CHESAPEAKE	SEVERN	2060004	2000 YDS INSIDE MOUTH OF GLEBE
0306115	38 54 10	76 30 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	100 FT S OF DAYMARK "1"
0306115A	38 54 04	76 29 59	BFL	WEST CHESAPEAKE	SEVERN	2060004	MIDWAY INSIDE RAMSEY LAKE
0306203	38 55 54	76 31 03	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "10"
0306204	38 55 48	76 31 18	WT-8	WEST CHESAPEAKE	SEVERN	2060004	1/2 WAY BETWEEN BAYMARK "10" &
0306205	38 56 44	76 32 27	WT-8	WEST CHESAPEAKE	SEVERN	2060004	NEAR FLASHING GREEN 4 SEC LIGHT
0306206	38 54 20	76 29 29	WT-8	WEST CHESAPEAKE	SEVERN	2060004	25 YDS OFF THE MOUTH OF RAMSEY
0306208	38 56 40	76 31 56	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "14"
0306211	38 57 00	76 32 48	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "16"
0306212	38 56 30	76 31 59	WT-8	WEST CHESAPEAKE	SEVERN	2060004	1/2 WAY BETWEEN STATION 0306208
0306801	38 54 33	76 30 39	WT-8	WEST CHESAPEAKE	SEVERN	2060004	500 YDS WEST OF FLASHING RED 2.
0307011	38 50 50	76 30 20	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARKER "3"
0307011B	38 51 06	76 30 21	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARKER "1",ENTRANCE TO PARIS
0307012A	38 51 55	76 29 34	WT-8	WEST CHESAPEAKE	SEVERN	2060004	LIGHT "2"
0307019	38 52 50	76 30 53	BFL	WEST CHESAPEAKE	SEVERN	2060004	MIDWAY BETW DAYMARKER "1" & "2"
0307108	38 51 39	76 30 43	WT-8	WEST CHESAPEAKE	SEVERN	2060004	MIDSTREAM OF W RIVER, S OF DUTC
0307117	38 52 39	76 31 06	WT-8	WEST CHESAPEAKE	SEVERN	2060004	W SIDE DAYMARKER "6"
0307120	38 53 00	76 31 17	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARKER "7"
0307120A	38 53 21	76 31 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	CARR WHARF DAYMARK "1"
0307122	38 53 02	76 31 44	WT-8	WEST CHESAPEAKE	SEVERN	2060004	E SIDE OF HIGH ISLAND
0307122A	38 53 13	76 31 44	WT-8	WEST CHESAPEAKE	SEVERN	2060004	OFF BEACH AT CAMP LETTS
0307204	38 51 11	76 31 59	WT-8	WEST CHESAPEAKE	SEVERN	2060004	FL 4 SEC "4" WEST RIVER
0307205	38 50 40	76 32 03	WT-8	WEST CHESAPEAKE	SEVERN	2060004	FL 4 SEC "6" OFF COUNCILLORS PT
0307206	38 52 12	76 31 02	WT-8	WEST CHESAPEAKE	SEVERN	2060004	DAYMARK "3"
0307900	38 52 07	76 30 47	WT-8	WEST CHESAPEAKE	SEVERN	2060004	30 FT OFF WWTP TIDAL WETLAND BU
0307901	38 52 05	76 30 40	WT-8	WEST CHESAPEAKE	SEVERN	2060004	30 FT OFF WWTP TIDAL WETLAND BU
0401002	39 09 09	76 04 04	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MIDSTREAM OF CHESTER R OPPOSITE
0402006	39 07 21	76 06 07	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R OFF MOUTH OF CR ON E
0402013A	39 06 04	76 08 36	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CAN "19" SE OF CLIFFS PT IN CHE
0402018	39 04 47	76 07 54	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	500 YDS UPSTREAM OF RED NUN "2"
0402022	39 04 55	76 06 46	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RED NUN "4" OFF MOUTH OF EMORY
0403001A	39 04 07	76 09 34	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R 300 YDS OUT FROM MOUT
0403004A	39 05 15	76 09 56	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R AT RED NUN "16"
0403006A	39 02 44	76 12 20	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R 200 YDS W OF NUN "14"
0403011	39 00 58	76 11 47	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R SIDE OF EASTERN NECK
0403018A	39 05 10	76 11 55	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER R 750 YDS S OF NAPOLY G
0403019A	39 05 51	76 12 33	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CENTER OF GRAYS INN CR ON THE R

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0403023	39 06 03	76 10 35	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LANFORD CR 250 YDS W OF CAN "1"
0403027	39 06 43	76 10 07	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LANFORD CR E OF DRUM PT NEAR CA
0403028	39 07 50	76 10 10	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CNTR OF LANFORD CR 640 YDS W OF
0404003	38 59 51	76 09 55	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING LIGHT "5" AT MOUTH OF
0404007A	38 59 34	76 12 46	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING LIGHT "9"
0404019A	39 01 19	76 15 47	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	1200 YDS SOUTH OF CAN "3"
0404020	39 02 11	76 17 28	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	700 YDS SOUTHEAST OF LOVE PT
0501001	38 49 48	76 28 56	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS EAST OF CEDAR HURST
0501001B	39 49 01	76 28 31	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	2000 YDS EAST OF FRANKLIN PT
0501001F	38 47 45	76 30 32	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS SOUTHEAST OF FRANKLIN M
0501003	38 46 28	76 31 59	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	50 YDS EAST OF MOUTH OF PARKER
0501003A	38 46 12	76 32 59	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	50 YDS EAST OF OWINGS BEACH
0501004	38 46 01	76 33 23	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED DAYMARK "4" ENTRANCE TO ROC
0501004A	38 45 54	76 33 10	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING RED LIGHT "2" CHANNEL
0501005	38 45 21	76 32 57	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAYMARK "3" EAST OF FAIRHAVEN
0501006A	38 44 31	76 32 42	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	PARKER'S SHOAL LIGHT "2"
0501006B	38 44 04	76 32 20	BFL	WEST CHESAPEAKE	SEVERN	2060004	ENTRANCE LIGHT "1"
0501007A	38 44 25	76 30 51	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	PARKER'S SHOAL LIGHT "1"
0501201	38 46 03	76 29 43	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK/WHITE N "9B"
0501202	38 48 12	76 30 25	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DNR RESTRICTED AREA BUOY
0501203	38 48 02	76 30 31	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DNR RESTRICTED AREA BUOY
0502001	38 42 57	76 30 01	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	100 YDS E OF W OR A-FISHING REE
0502003	38 41 29	76 30 39	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN FL 4 SEC 15 FT
0502004	38 41 47	76 31 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	800 YDS E NE OF W BEACH & 500 Y
0502005	38 41 21	76 31 32	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	800 YDS E OF WEST BEACH
0502007A	38 37 15	76 29 59	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN "1" NE OF PLUM PT
0502201	38 38 32	76 31 02	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	100 FT E OF PIER AT CAMP ROOSEV
0502202	38 43 37	76 29 54	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN "69"
0502203	38 39 59	76 31 27	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS E OF RANDLE CLIFF BEACH
0502204	38 38 41	76 29 15	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BWN "6B"
0601002	39 56 53	76 22 25	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	1800 YDS SW OF MATAPEAKE HARBOR
0601005	38 50 01	76 23 31	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLOODY PT BAR LIGHT
0601006	38 52 04	76 22 13	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	100 YDS IN FRONT OF ENTRANCE TO
0601007	38 52 39	76 22 01	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	80 YDS IN FRONT OF ENTRANCE TO
0601008	38 53 01	76 21 59	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	80 YDS IN FRONT OF ENTRANCE TO
0601011	38 54 53	76 22 03	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ENTRANCE TO KENTMORR MARINA
0601016	39 00 27	76 19 44	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 1/2 MI NE OF BAY BRIDGE 300 Y
0601202	38 57 34	76 23 24	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED "78" FLASHING 4 SEC BELL
0601204	38 59 24	76 21 07	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CLOSED SAFETY ZONE BUOY C
0701001	38 36 17	76 29 56	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN PLUM PT & BW N
0701004	38 29 43	76 29 34	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS E OF KENWOOD BEACH
0701005	38 26 04	76 25 13	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1800 YDS E OF CALVERT CLIFFS NU
0701005A	38 24 41	76 24 10	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS E OF ROCKY PT
0701008	38 34 06	76 30 33	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	600 YDS E OF SHORE N OF DARES B
0701009	38 32 19	76 30 37	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	800 YDS E OF PARKER CR
0701201	38 31 01	76 29 55	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN SHORE AND BW N
0701202	38 35 48	76 29 45	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY BETWEEN BW N "5B" AND S
0701203	38 28 25	76 28 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS OFF CALVERT BEACH
0701204	38 23 20	76 22 28	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS E OF COVE PT
0801006	38 50 35	76 13 48	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RED NUN "8" W OF BENNETT PT
0801011	38 49 26	76 14 26	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OFF MOUTH OF PORTER CR
0801013A	38 49 58	76 12 37	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF WEEDLAND CR AT CAN "1"
0801019A	38 47 55	76 12 09	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	150 YDS OFF SHORE IN LINE W/ WH
0801021	38 47 51	76 11 41	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF LEEDS CR (INSET)
0801022	38 48 39	76 10 56	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LEEDS CR 1.5. MI FROM MOUTH
0801028	38 45 50	76 10 31	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING 4 SEC LIGHT "7" SW OF
0801030	38 45 20	76 10 22	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OAK CR ENTRANCE DAYMARK "2" (OA
0801033	38 47 11	76 08 20	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RED NUN "10"
0801060	38 47 02	76 10 37	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	HUNTING CR 1500 YDS N OF MOUTH
0801207	38 47 21	76 12 58	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING RED 4 SEC LIGHT "2" MO
0801209	38 47 18	76 12 28	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RESTRICTED AREA BUOY B TALBOT C
0802001	38 50 45	76 12 06	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RED NUN "4" MOUTH OF WYE RIVER
0802004	38 51 52	76 11 33	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAYMARKER 1 N OF BRUFFS ISLAND
0802010	38 53 24	76 10 47	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	700 YDS NE OF DRUM PT
0802013A	38 54 59	76 09 56	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	RED "5" N OF GRAPEVINE PT
0802014	38 54 20	76 09 34	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE NARROWS OPPOS BRK BLDING AT
0802017	38 51 46	76 10 49	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SHAW BAY - R "2"

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0802019	38 52 25	76 09 57	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST 1000 YDS N OF LLOYD CR
0802023	38 52 56	76 09 05	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST 500 YDS SW OF GRANARY
0802026	38 52 47	76 06 51	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	COVE-1400 YDS W OF WYE HEIGHTS
0802304	38 54 25	76 07 51	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	25 FT E OF WYE NARROWS BRIDGE
0803005	38 53 28	76 12 07	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF GREENWOOD CR
0803005B	38 53 56	76 11 16	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	GREENWOOD CR 1000 YDS UPSTREAM
0803007	38 54 02	76 14 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LIGHTED BEACON "1" IN E BAY SE
0803012	38 57 22	76 14 31	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	500 YDS E OF HOG ISLAND
0803013	38 57 36	76 14 16	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MARSHY CR PRIVATE DAY BEACON "1
0803014B	38 57 59	76 14 44	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAY BEACON "9"
0803202	38 57 52	76 14 36	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAY BEACON R "8"
0803203	38 58 42	76 14 39	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAY BEACON "21" N ENTRANCE TO K
0804002	38 52 33	76 15 06	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING RED LIGHT "4" OFF TILG
0804014	38 50 32	76 18 13	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING LIGHT AND BELL "2A"-1
0804019	38 53 54	76 18 48	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING LIGHT "2" SW IF TURKEY
0804024	38 54 31	76 20 19	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF WEST BRANCH OF SHIPPIN
0804028	38 55 11	76 18 42	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	1400 YDS S OF FLASHING LIGHT "4
0804031	38 56 23	76 19 05	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF WAREHOUSE CR
0804035	38 56 09	76 17 21	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CRAB ALLEY CR OFF CRAB ALLEY MA
0804035C	38 55 21	76 17 18	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAYMARK "4" CRAB ALLEY BAY
0804801	38 56 16	76 16 57	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	DAYMARK "8" IN LITTLE CR
0805001	38 49 29	76 19 24	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	1 MI W OF WADES PT
0805003T	38 43 14	76 20 27	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING R 4 SEC "4" (CHESAPEAK
0805005	38 44 01	76 21 25	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FLASHING 4 SEC LIGHT 1 POPLAR I
0805008T	38 41 41	76 20 51	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS OFFSHORE PAWPAW COVE
0805019T	38 43 07	76 19 56	EE-2	EASTERN SHORE	CHOPTANK	2060005	KNAPPS NARROWS CNTR OF CHANNEL
0805104	38 45 35	76 22 27	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POPLAR HARBOR
0805800	38 43 15	76 20 38	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BUOY "A" OF CLOSED SAFETY ZONE
0805801	38 43 04	76 20 34	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BUOY "C" OF CLOSED SAFETY ZONE
0806004	38 45 14	76 07 03	EE-2	EASTERN SHORE	CHOPTANK	2060005	700 YDS NE OF WATERMELON PT RED
0806006A	38 44 00	76 08 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "15"
0806009	38 43 36	76 08 36	EE-2	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK "12 S OF DOUBLE MIL
0806012	38 42 29	76 08 22	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF TRIPPE CR GREEN DAYMAR
0806014	38 42 45	76 07 22	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRIPPE CR 500 YDS NE OF DEEPWAT
0806016	38 42 12	76 08 42	EE-2	EASTERN SHORE	CHOPTANK	2060005	QUICK FLASHING RED LIGHT "6" E
0806018	38 42 06	76 09 51	EE-2	EASTERN SHORE	CHOPTANK	2060005	QUICK FLASHING RED LIGHT "4" S
0806019A	38 42 32	76 10 09	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "1" MOUTH OF PLAI
0806022	38 41 48	76 10 01	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF TOWN CR AT FLASHING R
0806025	38 41 34	76 10 53	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING 4 SEC LIGHT "2"
0806028	38 39 52	76 11 19	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING GREEN 2.5 SEC "1" SE O
0806120	38 42 33	76 10 38	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF TAR CR
0806801	38 45 38	76 06 43	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "21" SW OF JACKS
0807004	38 45 21	76 13 39	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "11" SAN DOMINGO
0807005	38 45 44	76 13 49	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CR-RED DAYMARK "14"
0807006C	38 46 17	76 13 52	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CR-1000 YDS N OF RE
0807010	38 44 10	76 12 36	EE-2	EASTERN SHORE	CHOPTANK	2060005	EDGE CR OPPOSITE BARRETT COVE
0807011	38 44 42	76 14 16	EE-2	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK
0807014	38 44 34	76 15 42	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF LEADENHAM CR DAYMARK "
0807020	38 43 20	76 16 27	EE-2	EASTERN SHORE	CHOPTANK	2060005	BALL CR RED DAYMARK "2"
0807023	38 42 36	76 15 31	EE-2	EASTERN SHORE	CHOPTANK	2060005	1050 YDS E OF NELSON ISLAND RED
0807026	38 41 50	76 13 23	EE-2	EASTERN SHORE	CHOPTANK	2060005	IRISH CR 350 YDS W OF EDWARDS P
0807103	38 46 17	76 13 16	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CR 700 YDS NE OF RE
0807700	38 45 53	76 14 55	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK 800 YDS SE OF EDGAR
0808001T	38 43 01	76 19 14	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 4 SEC LIGHT "6"
0808012T	38 40 34	76 20 03	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING 4 SEC LIGHT "1"
0808027	38 40 34	76 16 47	EE-2	EASTERN SHORE	CHOPTANK	2060005	W OR S "B" (SPECIAL PURPOSE BUO
0808038	38 42 47	76 18 20	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 2.5 SEC LIGHT "2"
0808039	38 43 51	76 18 17	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING 4 SEC LIGHT "5" E OF B
0808042A	38 44 29	76 19 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	INSIDE MOUTH OF DUN COVE
0808044	38 45 12	76 18 28	EE-2	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK "10" W OF INDIAN PT
0808046	38 45 56	76 18 01	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "13" OPPOSIT BRIA
0808048	38 46 18	76 17 12	EE-2	EASTERN SHORE	CHOPTANK	2060005	150 YDS S OF RABBIT PT
0808048B	38 46 42	76 17 23	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF CUMMINGS CR
0901001	38 32 27	76 40 25	RET-1	PATUXENT	PATUXENT	2060006	MIDRIVER ON LINE BETW GODS GRAC
0901002	38 32 12	76 41 08	RET-1	PATUXENT	PATUXENT	2060006	MIDPT OF MOUTH SWANSON CR 350 Y
0901005	38 31 34	76 40 12	RET-1	PATUXENT	PATUXENT	2060006	300 YDS DUE E OF TEAGUE PT
0901011	38 30 27	76 40 07	RET-1	PATUXENT	PATUXENT	2060006	325 YDS SW OF HALLOWING PT & 40

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0901013	38 29 43	76 41 02	RET-1	PATUXENT	PATUXENT	2060006	MIDPT OF MOUTH OF INDIAN CR OFF
0901014	38 29 29	76 40 05	RET-1	PATUXENT	PATUXENT	2060006	AT G "23" ABOUT 200 YDS E OF LO
0901018	38 27 49	76 39 59	LE-1	PATUXENT	PATUXENT	2060006	200 YDS INSIDE MOUTH OF WASHING
0901019	38 27 27	76 39 47	LE-1	PATUXENT	PATUXENT	2060006	150 YDS INSIDE MOUTH OF PERSIMM
0901021	38 27 50	76 38 59	LE-1	PATUXENT	PATUXENT	2060006	AT FL F "21" 550 YDS SW OF [illegible]
0901101A	38 28 57	76 40 31	RET-1	PATUXENT	PATUXENT	2060006	MOUTH OF TREN HALL CR 250 YDS S
0902007A	38 25 48	76 36 32	LE-1	PATUXENT	PATUXENT	2060006	AT FL 6 SEC "18"
0902019	38 23 10	76 32 12	LE-1	PATUXENT	PATUXENT	2060006	750 YDS NW OF GREEN DAYMARK "15
0902020A	38 24 29	76 32 40	LE-1	PATUXENT	PATUXENT	2060006	AT FL R 4 SEC "2" OFF ISLAND CR
0902105D	38 26 50	76 36 13	LE-1	PATUXENT	PATUXENT	2060006	MIDPT OF MOUTH OF BATTLE CR
0902107A	38 27 02	76 36 00	LE-1	PATUXENT	PATUXENT	2060006	AT FL 6 SEC "18"
0902109	38 24 48	76 32 36	LE-1	PATUXENT	PATUXENT	2060006	MIDCHANNEL OF ISLAND CR 650 YDS
0903006	38 23 24	76 30 00	LE-1	PATUXENT	PATUXENT	2060006	INSIDE MOUTH OF ST LEONARD CR,
0903100	38 20 09	76 30 18	LE-1	PATUXENT	PATUXENT	2060006	700 YDS SE OF MOUTH OF MILL CR
0903101	38 20 52	76 30 20	LE-1	PATUXENT	PATUXENT	2060006	IN CUCKHOLD CR, 850 YDS NW OF D
0903103	38 21 34	76 28 41	LE-1	PATUXENT	PATUXENT	2060006	200 YDS INSIDE MOUTH OF HELLEN
0903106	38 23 38	76 29 24	LE-1	PATUXENT	PATUXENT	2060006	1500 YDS INSIDE OF ST LEONARD I
0903107	38 24 17	76 29 06	LE-1	PATUXENT	PATUXENT	2060006	CENTER OF ST LEONARD CR OFF ROL
0903201	38 23 01	76 30 25	LE-1	PATUXENT	PATUXENT	2060006	AT FL R 6 SEC "14" OUTSIDE OF S
0903203	38 20 32	76 29 55	LE-1	PATUXENT	PATUXENT	2060006	DAYMARK #4 AT MOUTH OF CUCKHOLD
0903204	38 21 10	76 29 15	LE-1	PATUXENT	PATUXENT	2060006	20 YDS S OF F 1 R 4 SEC "12"
0904005B	38 18 45	76 27 18	LE-1	PATUXENT	PATUXENT	2060006	AT QF FL R 3M "6"
0904007	38 18 54	76 28 46	LE-1	PATUXENT	PATUXENT	2060006	MOUTH OF TOWN CR AT LIGHT "2"
0904015A	38 19 18	76 27 05	LE-1	PATUXENT	PATUXENT	2060006	100 YDS DUE W OF DAYMARK "4" OF
0904104	38 19 47	76 27 27	LE-1	PATUXENT	PATUXENT	2060006	AT FLASHING GREEN LIGHT "7" AT
0904109A	38 20 03	76 26 55	LE-1	PATUXENT	PATUXENT	2060006	CONFLUENCE OF ST JOHN CR AND MI
0904300	38 19 08	76 28 53	LE-1	PATUXENT	PATUXENT	2060006	CENTER OF TOWN CR 500 YDS N NW
0905007	38 19 02	76 24 04	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING GREEN 2 SEC 4M LIGHT "
0905007A	38 18 12	76 21 12	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING 4 SEC BELL "57"
0905210	38 20 48	76 21 51	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	AT BLACK AND WHITE NUN BUOY "31
1001010	38 56 59	75 58 51	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MIDSTREAM OF THE CHOPTANK R
1001017	38 35 50	75 59 13	ET-5	EASTERN SHORE	CHOPTANK	2060005	CAN "33" 300 YDS S OF JAMAICA P
1001701	38 38 36	76 58 02	BFL	POTOMAC	LOWER POTOMAC	2070011	CAN "39" NW IF CABIN CR
1001702	38 35 26	76 00 24	ET-5	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 2.5 SEC LIGHT "32"
1001800	38 38 01	75 57 49	ET-5	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF CABIN CR
1001801	38 36 43	75 58 13	ET-5	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK "2" WARWICK R
1001802	38 35 51	75 58 16	BFL	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF GOOSE CR
1001803	38 35 11	75 58 37	BFL	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF INDIAN CR
1002004A	38 34 39	76 01 32	ET-5	EASTERN SHORE	CHOPTANK	2060005	"31" FLASHING LIGHT-CHANCELLOR
1002005	38 34 27	76 02 01	ET-5	EASTERN SHORE	CHOPTANK	2060005	CAN "29" 900 YDS SW OF CHANCELL
1002005D	38 35 11	76 02 19	ET-5	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF BOLINGBROKE CR
1002005F	38 35 07	76 02 35	ET-5	EASTERN SHORE	CHOPTANK	2060005	BOLINGBROKE CR MOUTH OF LEFT BR
1002008	38 35 04	76 03 18	ET-5	EASTERN SHORE	CHOPTANK	2060005	150 YDS DOWNSTREAM RT 50 BRIDGE
1002011	38 35 29	76 03 55	ET-5	EASTERN SHORE	CHOPTANK	2060005	880 YDS OFFSHORE FROM END OF BE
1002013	38 34 51	76 04 39	ET-5	EASTERN SHORE	CHOPTANK	2060005	50 YDS OFFSHORE FROM END OF BEL
1002015	38 34 25	76 04 16	ET-5	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF CAMBRIDGE CR
1002020	38 35 24	76 05 11	ET-5	EASTERN SHORE	CHOPTANK	2060005	150 YDS OFFSHORE IN HAMBROOK BA
1002021	38 34 48	76 03 45	ET-5	EASTERN SHORE	CHOPTANK	2060005	FLASHING 4 SEC LIGHT "1"
1002022	38 35 28	76 04 32	ET-5	EASTERN SHORE	CHOPTANK	2060005	NUN "24"
1002703	38 34 19	76 02 31	ET-5	EASTERN SHORE	CHOPTANK	2060005	CAN "27"
1002804	38 00 55	76 00 55	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF WHITEHALL CR
1003005	38 35 04	76 06 43	ET-5	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF JENKINS CR
1003008B	38 36 36	76 07 41	ET-5	EASTERN SHORE	CHOPTANK	2060005	FLASHING GREEN 2.5 SEC LIGHT "1
1003011	38 37 49	76 08 18	ET-5	EASTERN SHORE	CHOPTANK	2060005	FLASHING GREEN 2.5 SEC LIGHT "1
1003014	38 37 57	76 06 56	ET-5	EASTERN SHORE	CHOPTANK	2060005	LATRAPPE CR 700 YDS UPSTREAM
1003015	38 38 34	76 06 35	ET-5	EASTERN SHORE	CHOPTANK	2060005	LATRAPPE CR OPPOSITE SAWMILL CO
1003016E	38 35 58	76 06 48	ET-5	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 4 SEC LIGHT "20"
1003016H	38 36 53	76 05 42	ET-5	EASTERN SHORE	CHOPTANK	2060005	350 YDS S OF ISLAND IN DICKENSO
1003704	38 36 21	76 05 06	ET-5	EASTERN SHORE	CHOPTANK	2060005	CAN "23"
1003705	38 36 23	76 05 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	MIDSTREAM OF CHOPTANK R 1 MI N
1003706	38 37 30	76 09 20	ET-5	EASTERN SHORE	CHOPTANK	2060005	RED NUN "2" MOUTH OF LECOMPTE B
1004003	38 38 46	76 18 18	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 2.5 SEC LIGHT "10"
1004005	38 39 56	76 16 23	EE-2	EASTERN SHORE	CHOPTANK	2060005	BLACK AND WHITE NUN "62B"
1004006	38 39 25	76 14 01	EE-2	EASTERN SHORE	CHOPTANK	2060005	QUICK FLASHING RED LIGHT "12A"
1004009	38 38 13	76 12 46	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING RED 2.5 SEC LIGHT "12B
1004010	38 39 14	76 10 59	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R LIGHT
1004013	38 39 28	76 09 26	EE-2	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK "2" MOUTH OF ISLAND

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1004015	38 39 50	76 08 18	EE-2	EASTERN SHORE	CHOPTANK	2060005	ISLAND CR 1 MI UPSTREAM
1005007	38 33 54	76 20 26	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK AND WHITE NUN "32B2"
1005009	38 32 04	76 23 12	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1600 YDS NE OF RN "2"
1005706	38 36 27	76 20 17	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BLACK AND WHITE NUN "40" 3 MI S
1006007	38 32 43	76 15 52	EE-2	EASTERN SHORE	CHOPTANK	2060005	GREEN DAYMARK "5"
1006010C	38 29 40	76 16 40	EE-2	EASTERN SHORE	CHOPTANK	2060005	SLAUGHTER CR RED "6" BEACON
1006701	38 31 17	76 16 27	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING GREEN 4 SEC LIGHT "5"
1006702	38 33 15	76 19 18	EE-2	EASTERN SHORE	CHOPTANK	2060005	FLASHING GREEN 25 SEC LIGHT "1"
1006703	38 32 19	76 15 40	EE-2	EASTERN SHORE	CHOPTANK	2060005	RED DAYMARK "2" MOUTH OF BROOKS
1007002A	38 31 51	76 13 32	EE-2	EASTERN SHORE	CHOPTANK	2060005	"2" FLASHING LIGHT MOUTH OF MAD
1007003	38 32 24	76 14 27	EE-2	EASTERN SHORE	CHOPTANK	2060005	DAYMARK "1" MOUTH OF HUDSON CR
1007006F	38 34 00	76 14 45	EE-2	EASTERN SHORE	CHOPTANK	2060005	HUDSON CR 1200 YDS N OF BEACON
1007009	38 32 08	76 12 38	EE-2	EASTERN SHORE	CHOPTANK	2060005	FISHING CR DAYMARK "3"
1007012	38 31 42	76 10 45	EE-2	EASTERN SHORE	CHOPTANK	2060005	FISHING CR 1 MI UPSTREAM FROM W
1007015	38 33 09	76 12 45	EE-2	EASTERN SHORE	CHOPTANK	2060005	500 YDS N NE OF TOWN PT
1007016	38 33 30	76 11 31	EE-2	EASTERN SHORE	CHOPTANK	2060005	CENTER OF BECKWITH CR 400 YDS S
1007704	38 31 13	76 10 32	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHURCH CR
1007705	38 33 33	76 12 56	EE-2	EASTERN SHORE	CHOPTANK	2060005	S OF SOLOMONS COVE OPPOSIT BOAT
1103003	38 10 58	75 32 40	BFL	POTOMAC	LOWER POTOMAC	2070011	MCKAY COVE 200 YDS N OF FLASHIN
1103004	38 10 31	76 32 20	BFL	POTOMAC	LOWER POTOMAC	2070011	MOUTH OF TALL TIMBERS COVE IN H
1103004B	38 10 51	76 32 08	BFL	POTOMAC	LOWER POTOMAC	2070011	700 YDS E NW OF FLASING RED 4 S
1103004C	38 10 18	76 32 02	BFL	POTOMAC	LOWER POTOMAC	2070011	TALL TIMBERS COVE 50 FT FROM E
1103005	38 10 50	76 31 46	BFL	POTOMAC	LOWER POTOMAC	2070011	200 YDS SE OF BIG DICK CR AND 2
1103008	38 13 48	76 40 57	LE-2	POTOMAC	LOWER POTOMAC	2070011	500 YDS E SE OF HUGGINS PT AND
1103011	38 08 44	76 32 28	LE-2	POTOMAC	LOWER POTOMAC	2070011	1800 YDS NW OF PINEY PT AND 400
1103015	38 08 52	75 32 01	BFL	POTOMAC	LOWER POTOMAC	2070011	450 YDS INSIDE PINEY PT CR
1103072	38 11 26	76 35 49	LE-2	POTOMAC	LOWER POTOMAC	2070011	25 YDS OF BWN "55B"
1103201	38 10 43	76 32 38	BFL	POTOMAC	LOWER POTOMAC	2070011	FLASHING RED 4 SEC LIGHT "6"
1104001	38 09 39	76 30 53	LE-2	POTOMAC	LOWER POTOMAC	2070011	200 YDS W BY S OF SHEEHAN PT
1104001B	38 09 57	76 30 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	INSIDE MOUTH OF NORTHERN PRONG
1104003	38 09 09	76 30 17	LE-2	POTOMAC	LOWER POTOMAC	2070011	200 YDS S OF YELLOW BANK
1104003A	38 09 16	76 30 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	APPROX 400 YDS INSIDE MOUTH OF
1104004	38 08 58	76 30 01	LE-2	POTOMAC	LOWER POTOMAC	2070011	50 YDS NE OF G "9" AND 250 YDS
1104012	38 07 21	76 27 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	5 YDS E OF FL R 4 SEC "2"
1104013	38 06 41	76 27 49	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL G 4 SEC "1"
1104017	38 09 05	76 28 16	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104017A	38 09 17	76 28 13	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104022A	38 11 17	76 26 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104041	38 06 36	76 24 37	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104041A	38 07 00	76 24 10	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104041B	38 07 02	76 24 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104042	38 07 24	76 24 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104044B	38 07 33	76 23 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	100 YDS S OF DOLPHINS
1104202	38 08 17	76 30 51	LE-2	POTOMAC	LOWER POTOMAC	2070011	100 YDS S OF FL G 4 SEC "1"
1104203	38 07 56	76 30 18	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL R 4 SEC "8"
1104205	38 08 30	76 29 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104701	38 07 25	76 27 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING GREEN 4 SEC LIGHT "3"
1104701A	38 07 54	76 28 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104702	38 08 28	76 27 18	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104703	38 09 00	76 26 45	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104704	38 09 03	76 26 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104705	38 08 44	76 27 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104706	38 09 40	76 25 43	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104707	38 10 05	76 27 04	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1104708	38 11 40	76 26 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	
1105018	38 07 07	76 20 27	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAYMARK 3 AT MOUTH OF ST JEROME
1105205	38 01 25	76 19 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	100 YDS W OF PT NO PT LIGHTHOUS
1105206	38 01 25	76 19 24	LE-2	POTOMAC	LOWER POTOMAC	2070011	NUN "2" OFF PT LOOKOUT
1105207	38 03 07	76 19 18	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	B W NUN "57B"
1105208	38 03 52	76 19 47	BFL	POTOMAC	LOWER POTOMAC	2070011	100 YDS INSIDE MOUT OF TANNER C
1105210	38 15 47	76 22 20	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CLOSED SAFETY ZONE PINE HILL RU
1105211	38 15 15	76 22 20	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CLOSED SAFETY ZONE PINE HILL RU
1105701	38 07 19	76 20 46	BFL	PATUXENT	PATUXENT	2060006	FLASHING LIGHT 4 SEC G "9" OFF
1105702	38 18 10	76 21 03	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLASHING 4 SEC BELL "57" OFF CE
1105703	38 03 43	76 19 32	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CLOSED SAFETY ZONE FO PT LOOKOU
1201001	38 29 44	76 21 38	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 MI SW LOWER TIP OF JAMES ISLA
1201002	38 25 36	76 18 35	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 MI NW MOUTH OF PUNCH ISLAND C

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1201002A	38 24 19	76 18 08	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 MI SW MOUTH OF PUNCH ISLAND C
1301001B	38 21 57	76 51 29	LE-2	POTOMAC	LOWER POTOMAC	2070011	CAN "19W"
1301001C	38 22 14	76 52 23	LE-2	POTOMAC	LOWER POTOMAC	2070011	500 YDS N OF BARBER PT
1301003A	38 21 09	76 49 21	LE-2	POTOMAC	LOWER POTOMAC	2070011	200 YDS N NE OF HAYDEN PT
1301004A	38 20 38	76 49 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	DNR AREA BUOY B
1301006	38 20 45	76 51 06	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED NUN BUOY "16W"
1301008	38 19 55	76 51 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED NUN BUOY "14W"
1301014	38 19 01	76 50 42	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING GREEN 6 SEC LIGHT "9W"
1301017	38 17 49	76 50 17	LE-2	POTOMAC	LOWER POTOMAC	2070011	GREEN DAYMARK "7W"
1301018A	38 17 22	76 51 00	LE-2	POTOMAC	LOWER POTOMAC	2070011	500 YDS S BY W INSIDE MOUTH OF
1301024	38 16 36	76 49 27	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING GREEN 4 SEC LIGHT "5W"
1301024A	38 15 55	76 50 21	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING RED 4 SEC LIGHT "2" AT
1301027A	38 16 13	76 51 48	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING RED 4 SEC LIGHT "7" AT
1301028	38 14 27	76 49 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING 4 SEC LIGHT "1W" AT MO
1301029	38 15 14	76 49 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED DAYMARK "2W"
1301033	38 15 01	76 47 29	LE-2	POTOMAC	LOWER POTOMAC	2070011	SPEED LIMIT DAYMARK (78) ENTER.
1301034	38 14 25	76 47 11	LE-2	POTOMAC	LOWER POTOMAC	2070011	GREN DAYMARK "9L"
1301037	38 13 33	76 46 53	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING 4 SEC LIGHT "1L"
1301045A	38 15 55	76 51 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING 4 SEC LIGHT "2"
1301202	38 14 44	76 48 18	LE-2	POTOMAC	LOWER POTOMAC	2070011	GREEN DAYMARK "7U"
1302023A	38 15 02	76 39 41	LE-2	POTOMAC	LOWER POTOMAC	2070011	1000 YDS S SE OF PAWPAW PT
1302024	38 15 24	76 39 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING GREEN 2 1/2 SEC LIGHT
1302025	38 15 49	76 38 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	IN CHANNEL AT FLASHING RED 4 SE
1302029A	38 16 24	76 38 02	LE-2	POTOMAC	LOWER POTOMAC	2070011	900 YDS S OF BUZZARD PT IN CENT
1302202	38 15 17	76 41 36	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING GREEN 6 SEC LIGHT "5"
1302203	38 14 22	76 41 28	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED DAYMARK "4"
1302701	38 14 55	76 41 21	LE-2	POTOMAC	LOWER POTOMAC	2070011	100 YDS W OF PROTESTANT PT
1303800	38 21 42	76 59 42	RET-2	POTOMAC	LOWER POTOMAC	2070011	MIDCHANNEL AT MORGANTOWN BRIDGE
1303801	38 23 17	77 07 51	RET-2	POTOMAC	LOWER POTOMAC	2070011	MIDCHANNEL OFF NANJEMOY CR AT D
1303802	38 21 04	77 12 16	RET-2	POTOMAC	LOWER POTOMAC	2070011	MIDCHANNEL OFF MD PT AT DAYMARK
1303803	38 24 05	77 16 08	RET-2	POTOMAC	LOWER POTOMAC	2070011	MIDCHANNEL OFF SMITH PT AT DAYM
1304035	38 13 15	76 47 29	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED BUOY N 14A IN APPROACH TO S
1304041	38 20 23	76 58 48	LE-2	POTOMAC	LOWER POTOMAC	2070011	1/2 WAY BETWEEN CAN "1" AND QK
1304041A	38 17 28	76 56 04	LE-2	POTOMAC	LOWER POTOMAC	2070011	SWAN PT BUOY
1304045	38 14 07	76 50 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL 4 SEC "17" RA REF
1304058	38 12 30	76 57 43	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL RED 4 SEC 1.5 FT "4"
1304060A	38 13 54	76 56 53	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL 4 SEC 5 M "2"
1304061	38 17 09	76 59 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	MARKER BUOY W OR N "S"
1304062	38 13 39	76 57 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	300 YDS NE OF QK FL RED "4"
1304063	38 18 57	77 01 41	LE-2	POTOMAC	LOWER POTOMAC	2070011	DAYMARK "8" AT MOUTH OF UPPER M
1304065	38 16 47	76 57 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	B W MO (A) "H" BELL
1304066	38 15 32	76 55 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	N "28"
1304068	38 12 30	76 52 56	LE-2	POTOMAC	LOWER POTOMAC	2070011	W OR C "J"
1304070	38 18 48	76 55 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	MOUTH OF CUCKOLD CR
1304072	38 18 22	76 54 23	LE-2	POTOMAC	LOWER POTOMAC	2070011	CUCKOLD CR AT MOUTH OF MIDDLETO
1304073	38 18 13	76 54 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	CUCKOLD CR OFF MATTHEWS COVE
1305041	38 09 15	76 36 06	LE-2	POTOMAC	LOWER POTOMAC	2070011	FLASHING 6 SEC LIGHT OFF RAGGED
1305047	38 08 21	76 39 02	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL 4 SEC LIGHT "1" AT MOUTH OF
1305051	38 08 29	76 43 28	LE-2	POTOMAC	LOWER POTOMAC	2070011	RED DAYMARK "2" IN NOMINI BAY
1305069	38 11 47	76 44 31	LE-2	POTOMAC	LOWER POTOMAC	2070011	BW "F" MO (A) BELL
1305081	38 06 04	76 34 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL RED 2.5 SEC LIGHT "2" AT BON
1306048	38 02 53	76 20 56	LE-2	POTOMAC	LOWER POTOMAC	2070011	1000 YDS SE OF CORNFIELD PT 245
1306073	38 05 34	76 24 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL RED 5 SEC LIGHT "2" OFF MOUT
1306075	38 02 27	76 30 06	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL 5 SEC "2" OFF MOUTH OF YEOCO
1306076	38 00 06	76 27 06	LE-2	POTOMAC	LOWER POTOMAC	2070011	FL GREEN 4 SEC LIGHT "5" OFF MO
1306077A	37 56 47	76 19 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	1200 YDS DIRECTLY OFFSHORE FR M
1306082	38 06 51	76 31 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	BW "B" MO (A) BELL BETW PINEY P
1401001	38 17 27	76 09 21	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER "5" OFF BENTLEY PT
1401002	38 18 13	76 09 51	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN "7" N OF BENTLEY PT
1401004	38 19 29	76 12 33	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	600 YDS E SE OF LONG PT
1401006	38 18 54	76 13 28	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER "3" IN MOUTH OF BACK CR
1401009	38 20 15	76 10 37	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY ACROSS MOUTH OF CHARLES
1401014	38 21 32	76 12 46	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1200 YDS NE OF MARKER "17"
1401015	38 21 00	76 13 27	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	IN CHANNEL 1/2 WAY BETW FISHING
1401020	38 20 13	76 11 53	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	IN CHANNEL NEAR FL 4 SEC LIGHT
1401023	38 19 05	76 10 51	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1000 YDS SW OF GUT BETW WROTEN
1401024	38 17 55	76 12 03	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	100 YDS S OF MARKER "3" OFF HOO

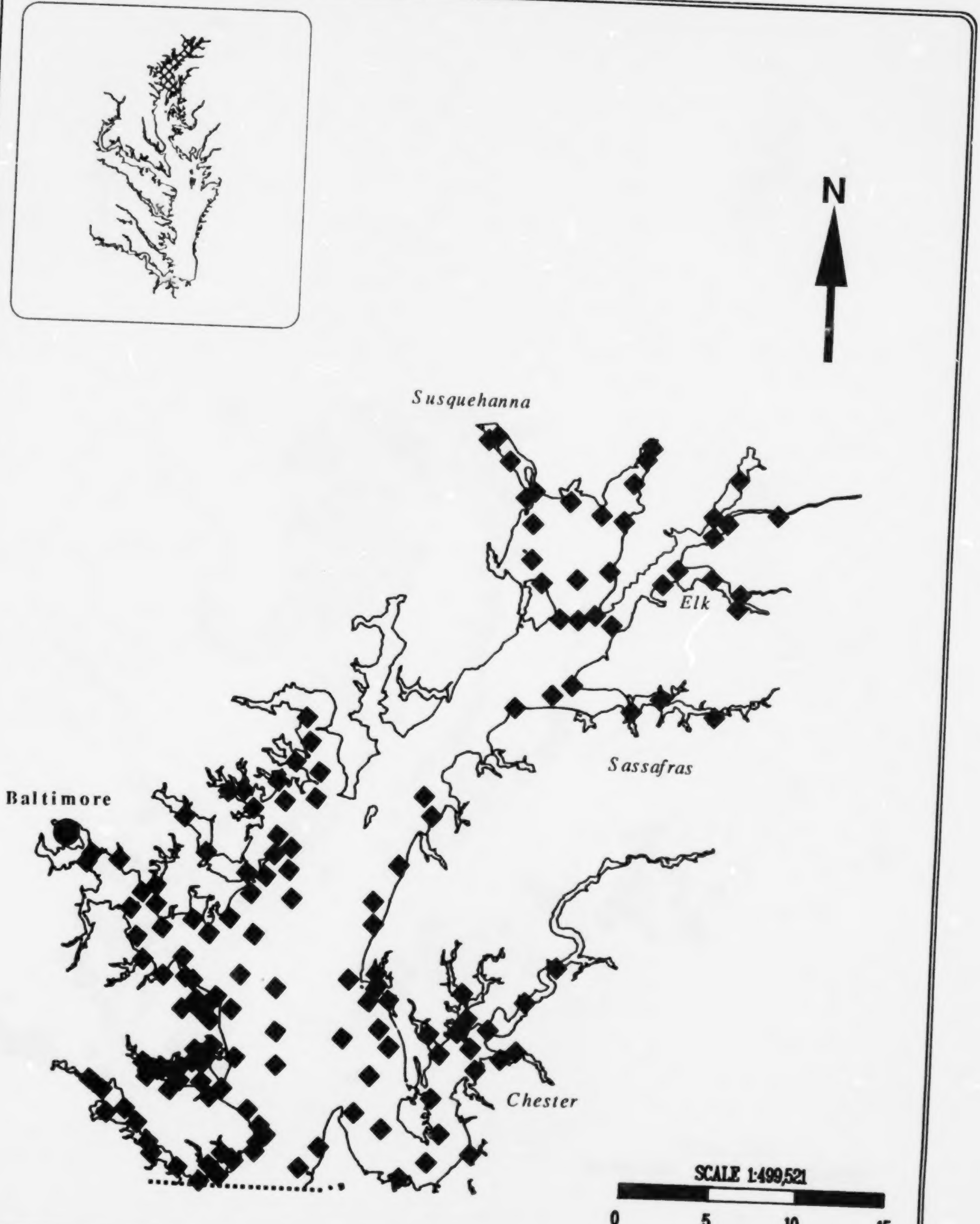
MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1401030	38 22 21	76 13 21	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS SE OF HOUSE PT
1402004	38 14 51	76 06 60	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEXT TO BELL "1A"
1402008	38 17 19	76 07 28	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	500 YDS E OF WINGATE PT
1402009	38 17 19	76 07 28	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	700 YDS W OF FOX PT
1402011	38 16 27	76 06 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER 1 OFF PINEY PT ANE PAUL
1402021	38 13 00	76 02 39	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1200 YDS W OF BISHOP HEAD HUNTI
1402031	38 15 55	76 06 39	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC LIGHT "1"
1402033	38 14 53	76 04 39	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1/2 WAY ACROSS MOUTH OF NORMAN
1402036	38 11 42	76 05 37	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER N OF OKAHANIKAN COVE
1402201	38 16 01	76 09 03	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL R 4 SEC LIGHT "2"
1402202	38 13 13	76 06 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	RED NUN "2"
1402204	38 15 56	76 07 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC LIGHT "2"
1403001	38 12 15	76 09 22	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BELL "1" S OF HOOPERS ISLAND
1403002	38 16 43	76 12 05	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	900 YDS W SW OF PLUFF PT HOOPER
1403003A	38 17 42	76 12 47	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC 15 FT "1" N OF PLUFF
1403004	38 18 44	76 14 02	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	600 YDS E OF SAND PT PARREN ISL
1403005	38 20 34	76 14 35	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	700 YDS S SW OF MARKER "6" MOUT
1403007A	38 21 07	76 16 21	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL G 4 SEC 14 FT "1" ENTRANCE T
1403008	38 15 22	76 15 01	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOOPER ISLAND LIGHT HOUSE - EAS
1404007	38 18 08	76 01 45	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	IN CHANNEL ON LINE FR FISHING P
1404008	38 18 35	76 02 23	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER NO "1" IN FARM CR CHANNE
1404016A	38 20 15	75 58 57	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 MI SW OF ISLAND CR
1404031	38 13 34	75 59 19	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER NO "2" MOUTH OF RIVER
1404036	38 15 57	76 00 19	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	2750 YDS SE OF RUBEN PT
1404038	38 16 51	76 00 53	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARKER NO "3" OFF ROASTING EAR
1404106	38 20 17	76 00 34	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 MI S OF BLACKWATER PT AND 700
1405022	38 19 50	75 52 35	BFL	EASTERN SHORE	NANTICOKE	2060008	INSIDE MOUTH OF WETEPQUIN CR
1405024	38 21 10	75 52 51	ET-6	EASTERN SHORE	NANTICOKE	2060008	MOUTH OF JACKS CR
1405025	38 21 24	75 51 21	ET-6	EASTERN SHORE	NANTICOKE	2060008	FL R 4 SEC LIGHT "14" - 50 YDS
1405144	38 19 17	75 53 22	ET-6	EASTERN SHORE	NANTICOKE	2060008	400 YDS OFF WICOMICO SHORE
1405144A	38 19 17	75 54 12	ET-6	EASTERN SHORE	NANTICOKE	2060008	ON THE MID PT OF A LINE FR STAT
1405144B	38 19 25	75 54 40	ET-6	EASTERN SHORE	NANTICOKE	2060008	150 YDS W OF DAYMARKER "9A"
1405202	38 15 49	75 55 34	ET-6	EASTERN SHORE	NANTICOKE	2060008	700 YDS FROM DAYMARKER "6" RUNN
1405208	38 14 05	75 55 38	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	200 R N "4"
1405701	38 20 30	75 53 25	ET-6	EASTERN SHORE	NANTICOKE	2060008	FL G 4 SEC LIGHT "11" DAYMARKER
1405702	38 01 41	75 56 08	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC LIGHT "7"
1406004	38 14 40	75 50 34	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	800 YDS DOWN RIVER OF WEBSTERS
1406007	38 15 14	75 48 10	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	FL R 2.5 SEC LIGHT "26"
1406201	38 13 42	75 52 35	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	200 YDS W OF CAN"11" AT MOLLIES
1406208	38 14 21	75 51 32	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NEXT TO CAN "15"
1406211	38 15 08	75 50 06	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NEXT TO DAYMARK "1"
1601005	38 08 40	76 08 29	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	4350 YDS W OF ADAM ISLAND (OLD
1601007	38 07 59	76 04 38	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CNTR PT BETW S ADAM ISL, N SPRI
1601008A	38 04 06	76 05 45	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND ISLAND BAR LIGHT AND HO
1601202	37 59 54	76 04 23	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	B W CAN OFF MOUTH OF SMITH ISLA
1601203	37 56 44	76 04 32	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ST MAINTAINED MARKER "H"
1601205	37 59 28	76 01 03	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LIGHT "31" IN BIG THOROFARE
1601207	37 58 16	76 01 41	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAY BEACON "13" AT THE S MOUTH
1601208	37 57 36	76 01 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAY BEACON "9" IN TYLER CR
1601801	37 58 18	76 02 35	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	200 YDS W OF GR DAYMARK "5"
1801010	38 13 45	75 49 20	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MIDDLE OF MOUTH OF MONIE CR
1801013	38 12 11	75 52 52	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	RED DAYMARK "2" OFF DAMES QUART
1801019	38 13 25	75 51 43	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	700 YDS S OF WINGATE PT
1801108A	38 13 21	75 50 35	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MIDWAY BETWEEN BAY PT AND MONIE
1801202	38 13 13	75 56 32	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL G 2.5 SEC "1" OFF CLAY ISLAN
1801203	38 13 18	75 53 02	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	100 YDS S OF WATCH HOUSE RUINS
1802005	38 10 00	75 58 24	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NUN "18" 1 MI SW OF ENTRANCE TO
1802009	38 07 04	75 58 08	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NUN "2" SW OF ENTRANCE TO LOWER
1802020	38 04 09	75 53 22	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	300 YDS SW OF FL R "2" OFF RUMB
1802025	38 02 14	75 55 28	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	1 QK FL RED BELL (NW OF FLATCAP
1802029	37 57 36	75 54 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CAN "1" AT ENTRANCE TO LITTLE A
1802101	38 10 02	75 56 35	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	200 YDS INSIDE DEALE ISLAND BR
1802201	38 02 52	76 00 55	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOLOMONS LUMPS LIGHTHOUSE
1802202	38 00 01	75 54 58	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	QK FL BLACK BELL "9"
1802204	37 58 22	75 58 47	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	QK FL "1" AT ENTRANCE TO BIG TH
1803007	38 07 22	75 51 02	ET-8	EASTERN SHORE	POCOMOKE	2060009	FL GREEN 4 SEC LIGHT "5"
1803010	38 07 13	75 54 32	ET-8	EASTERN SHORE	POCOMOKE	2060009	1500 YDS S SE OF STATION 11

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1803015	38 07 55	75 49 18	ET-8	EASTERN SHORE	POCOMOKE	2060009	400 YDS FROM DAY MARKER "8" AT
1803017	38 05 53	75 52 54	ET-8	EASTERN SHORE	POCOMOKE	2060009	S SIDE OF QUICK FL "4"
1803110	38 08 51	75 49 08	ET-8	EASTERN SHORE	POCOMOKE	2060009	JUST S OF GREEN DAYMARK "5" ST
1803112	38 09 22	75 46 44	ET-8	EASTERN SHORE	POCOMOKE	2060009	IN THE CHANNEL OFF A CLIFTON PT
1803202	38 08 30	75 51 04	ET-8	EASTERN SHORE	POCOMOKE	2060009	MOUTH OF BROAD CR
1803203	38 04 09	75 53 22	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL R 1 1/2 SEC LIGHT "2" OFF HA
1803204	38 08 20	75 47 48	ET-8	EASTERN SHORE	POCOMOKE	2060009	25 FT UPSTREAM FR GREEN DAYMARK
1803205	38 08 42	75 55 34	ET-8	EASTERN SHORE	POCOMOKE	2060009	HEADWATERS OF LAWS THOROUGHFARE
1804001	38 04 33	75 47 02	ET-9	EASTERN SHORE	POCOMOKE	2060009	NE OF CHARLES PT AND DUE W OF P
1804002	38 04 04	75 47 54	ET-9	EASTERN SHORE	POCOMOKE	2060009	MIDWAY BETW SANDY PT AND MUD PT
1804007	38 03 09	75 52 12	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL GR 2.5 SEC "1" AT ENTR. TO B
1804008	38 03 23	75 48 16	ET-9	EASTERN SHORE	POCOMOKE	2060009	FL 4 SEC "6"
1804200	38 03 18	75 49 35	ET-9	EASTERN SHORE	POCOMOKE	2060009	DAYMARK "4"
1804201	38 05 08	75 45 23	BFL	EASTERN SHORE	POCOMOKE	2060009	MOUTH OF HALL CR
1805004	37 58 35	75 51 54	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF SOMERS COVE HARBOR NR
1805006	37 58 05	75 52 24	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDWAY BETWEEN HAMMOCK PT AND L
1805202	37 58 59	75 51 51	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	QK FL AT CONFLUENCE OF CHANNEL
1805203	37 59 39	75 51 27	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL R 4 SEC LIGHT "16"
1805204	37 57 35	75 52 34	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDWAY BETW GREAT PT AND HOMMOC
1805206	38 00 34	75 50 57	BFL	EASTERN SHORE	POCOMOKE	2060009	CENTER OF CHANNEL AT S END OF D
1805207	38 01 33	75 50 25	ET-9	EASTERN SHORE	POCOMOKE	2060009	FLASHING LIGHT "5"
1805701	37 58 02	75 54 09	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL R LIGHT "2" MOUTH OF LITTLE
1806008	37 57 15	75 48 57	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	200 YDS NW MIDPT OF LINE FR LON
1806011	37 55 52	75 46 32	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	W "F" (PRIVATELY MAINTAINED)
1806113	37 57 24	75 42 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL 4 SEC LIGHT "1"
1806201	37 57 56	75 41 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL R 4 SECOND LIGHT "6"
1806700	37 58 00	75 40 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL GREEN 2.5 SECOND LIGHT "9"
1806701	37 56 45	75 44 17	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	W "F"
1806702	37 54 58	75 50 46	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL RED 2.5 SEC LIGHT 4 M "2"
1806703	37 58 01	75 43 02	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDWAY BETW TULLS PT AND C "5"
1806704	37 56 15	75 43 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL RED 4 SEC LIGHT "12"
1806705	37 55 22	75 44 12	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FL RED 4 SEC LIGHT "1"
1806706	37 56 29	75 42 19	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	800 YDS NE OF N END PT
1806707	37 56 50	75 40 40	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	600 YDS N OF PIG PT
1807010	37 58 45	75 37 51	ET-10	EASTERN SHORE	POCOMOKE	2060009	100 YDS OFF OF PITTS CR
1807012	37 58 39	75 38 04	ET-10	EASTERN SHORE	POCOMOKE	2060009	100 YDS UPRIVER FROM COUNTY RAM
1807014	37 57 51	75 38 59	ET-10	EASTERN SHORE	POCOMOKE	2060009	100 YDS S OF MARKER "15"
1807015	37 57 09	75 38 59	ET-10	EASTERN SHORE	POCOMOKE	2060009	600 YDS E OF WILLIAMS PT

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (PART 1)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Susquehanna
Elk
Sassafras
Baltimore
Chester
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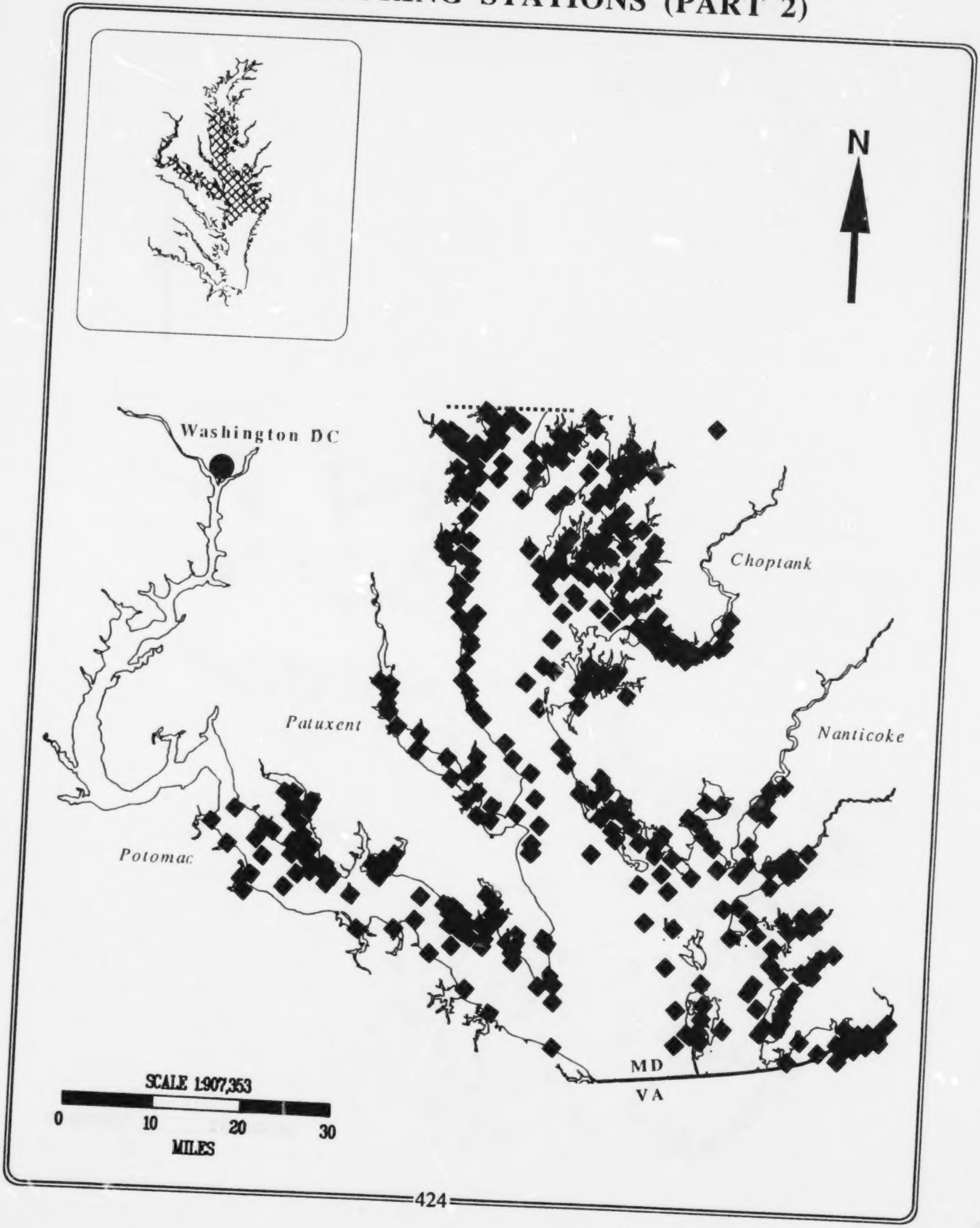
15

MARYLAND SHELLFISH SANITATION MONITORING STATIONS (PART 2)


N
Washington DC
Choptank
Patuxent
Nanticoke
Potomac
MD
VA
SCALE 1:907,353
0
10
20
30
MILES

ANNE ARUNDEL COUNTY SUMMER SWIM PROGRAM

PROGRAM DESCRIPTION: The Anne Arundel County Summer Swim Program is designed to test for fecal coliform in public waters at 65 stations from Memorial Day to Labor Day each year.

PROGRAM OBJECTIVES: To determine if the County's public waters are safe for swimming and to utilize the results as a basis for closing unsafe waters.

DATE INITIATED: 1962

COORDINATING AGENCY:

Anne Arundel County Health Department
Harry S. Truman Parkway
Annapolis, Maryland 21401

FUNDING AGENCIES:

Anne Arundel County Health Department
Maryland Department of the Environment

PARTICIPATING AGENCIES:

Anne Arundel County Health Department (AACoHD)
Maryland Department of the Environment (MDE)

INVESTIGATORS:

Principal Investigator	Larry Luck	AACoHD

PARAMETERS:

Fecal Coliform

STATIONS: There are 65 stations located throughout Anne Arundel County.

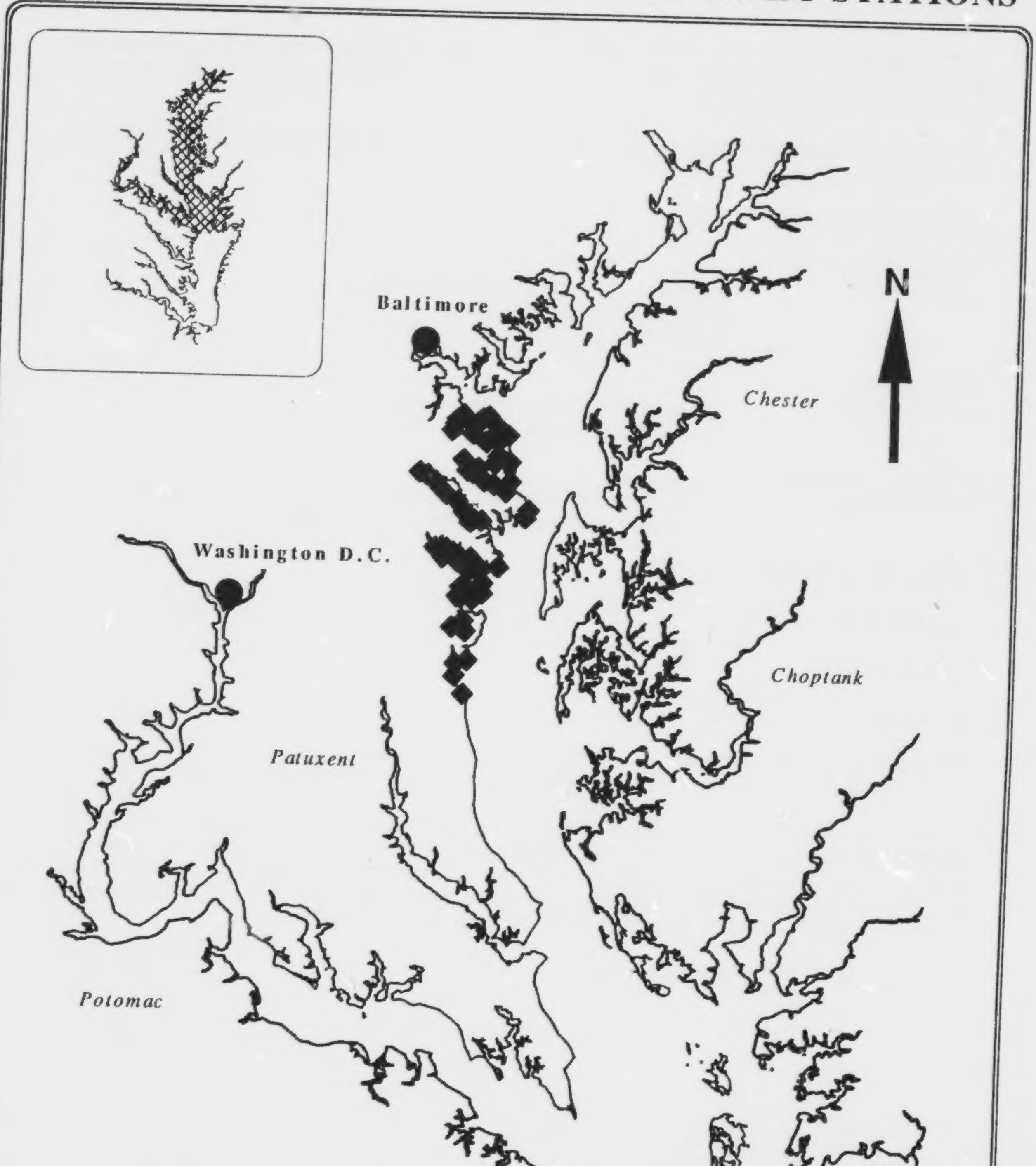
SAMPLE COLLECTION: Samples are collected once a week between Memorial Day and Labor Day. Some additional sampling is usually conducted prior to Memorial Day in an effort to ensure the swimmability of waters before they open to the public. Grab samples are taken at each station location approximately two feet below the surface except where taken from the shoreline. All samples are kept cold and treated as 3-day legal samples. They are analyzed for the Most Probable Number (MPN) of fecal coliform up to 24,000. At the discretion of the Principal Investigator they may be further tested up to 2.4 million.

PROGRAM INTEGRATION: N/A

ANNE ARUNDEL COUNTY SUMMER SWIM STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 10 01	76 31 35	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ORCHARD BEACH
10	39 09 48	76 29 18	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FT. SMALLWOOD PIER BEACH
11	39 08 42	76 27 33	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	KURTZ'S PLEASURE BEACH
12	39 07 58	76 27 55	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PASADENA BEACH
13	39 08 00	76 26 47	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BAHAMA BEACH
14	39 07 31	76 27 10	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BAYSIDE BEACH
15	39 07 39	76 28 39	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	VENTNOR MARINA
16	39 06 53	76 27 03	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BODKING YACHT CLUB
17	39 03 38	76 26 04	WT-6	WEST CHESAPEAKE	SEVERN	2060004	WHARF CREEK
18	39 05 36	76 26 40	WT-6	WEST CHESAPEAKE	SEVERN	2060004	MOUNTAIN POINT
19	39 05 42	76 27 37	BFL	WEST CHESAPEAKE	SEVERN	2060004	LONG POINT
2	39 09 22	76 32 36	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MICKEY'S ALTOONA BEACH
20	39 05 20	76 27 58	BFL	WEST CHESAPEAKE	SEVERN	2060004	TAR COVE
21	39 04 54	76 29 51	WT-6	WEST CHESAPEAKE	SEVERN	2060004	HICKORY POINT
22	39 05 01	76 30 36	BFL	WEST CHESAPEAKE	SEVERN	2060004	CHEST NECK POINT
23	39 05 53	76 31 31	BFL	WEST CHESAPEAKE	SEVERN	2060004	NORTH PERRY POINT
24	39 05 05	76 31 39	WT-6	WEST CHESAPEAKE	SEVERN	2060004	CHELSE
25	39 04 17	76 30 21	BFL	WEST CHESAPEAKE	SEVERN	2060004	WHITEHURST
26	39 03 57	76 29 01	WT-6	WEST CHESAPEAKE	SEVERN	2060004	FERRY POINT YACHT BASIN
27	39 03 34	76 27 45	BFL	WEST CHESAPEAKE	SEVERN	2060004	ULMSTEAD POINT COMM. BEACH
28	39 02 52	76 26 07	BFL	WEST CHESAPEAKE	SEVERN	2060004	SHORE ACRES
29	39 01 08	76 24 02	BFL	WEST CHESAPEAKE	SEVERN	2060004	PERSIMMON POINT
3	39 09 02	76 33 07	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	OLD GLORY BEACH
30	39 00 37	76 24 05	BFL	WEST CHESAPEAKE	SEVERN	2060004	SANDY POINT STATE PARK, EAST
31	38 59 52	76 29 15	WT-7	WEST CHESAPEAKE	SEVERN	2060004	SANDY POINT STATE PARK, SOUTH
32	39 00 57	76 30 54	WT-7	WEST CHESAPEAKE	SEVERN	2060004	JONAS GREEN STATE PARK
33	39 02 23	76 32 14	WT-7	WEST CHESAPEAKE	SEVERN	2060004	WINCHESTER ON THE SEVERN
34	39 03 49	76 33 50	BFL	WEST CHESAPEAKE	SEVERN	2060004	RUGBY HALL
35	39 04 24	76 35 29	WT-7	WEST CHESAPEAKE	SEVERN	2060004	ULMSTEAD ON THE SEVERN
36	39 05 01	76 36 46	BFL	WEST CHESAPEAKE	SEVERN	2060004	WHITNEYS LANDING
37	39 04 01	76 34 49	BFL	WEST CHESAPEAKE	SEVERN	2060004	BEN OAKS
38	39 02 44	76 33 38	WT-7	WEST CHESAPEAKE	SEVERN	2060004	ARDEN ON THE SEVERN
39	39 01 38	76 32 06	BFL	WEST CHESAPEAKE	SEVERN	2060004	HERALD HARBOR
4	39 08 39	76 33 16	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	COUNTY DOCK
40	39 00 23	76 30 51	BFL	WEST CHESAPEAKE	SEVERN	2060004	SHERWOOD FOREST
41	38 59 49	76 30 05	BFL	WEST CHESAPEAKE	SEVERN	2060004	DREAMS LANDING
42	38 55 56	76 27 45	BFL	WEST CHESAPEAKE	SEVERN	2060004	WARDOUR
43	38 55 33	76 29 50	BFL	WEST CHESAPEAKE	SEVERN	2060004	BAY RIDGE BEACH
44	38 56 25	76 31 08	WT-8	WEST CHESAPEAKE	SEVERN	2060004	HILLSMERE SHORES
45	38 56 49	76 31 56	BFL	WEST CHESAPEAKE	SEVERN	2060004	PERSIMMON POINT
46	38 57 26	76 33 53	BFL	WEST CHESAPEAKE	SEVERN	2060004	FERRY POINT
47	38 57 34	76 35 40	BFL	WEST CHESAPEAKE	SEVERN	2060004	CAPE ST. JOHN
48	38 57 36	76 35 25	BFL	WEST CHESAPEAKE	SEVERN	2060004	BON HAVEN
49	38 57 13	76 34 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	GLEN ISLE
5	39 09 31	76 31 46	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SUNSET BEACH
50	38 56 50	76 33 20	BFL	WEST CHESAPEAKE	SEVERN	2060004	RIVA BRIDGE, MIKE'S BAR
51	38 55 32	76 31 21	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTH RIVER YACHT CLUB
52	38 54 31	76 29 44	BFL	WEST CHESAPEAKE	SEVERN	2060004	CAPE LOCK HAVEN
53	38 53 16	76 29 26	BFL	WEST CHESAPEAKE	SEVERN	2060004	TURKEY POINT
54	38 52 38	76 31 04	WT-8	WEST CHESAPEAKE	SEVERN	2060004	MAYO BEACH
55	38 53 33	76 31 48	BFL	WEST CHESAPEAKE	SEVERN	2060004	CLOVERLEA
56	38 53 17	76 32 28	BFL	WEST CHESAPEAKE	SEVERN	2060004	CAMP LETTS
57	38 52 16	76 30 38	BFL	WEST CHESAPEAKE	SEVERN	2060004	CONTEES WHARF
58	38 50 36	76 32 23	BFL	WEST CHESAPEAKE	SEVERN	2060004	CAMP WABANNA
59	38 49 46	76 33 01	BFL	WEST CHESAPEAKE	SEVERN	2060004	GALESVILLE COMM. PIER
6	39 08 36	76 31 11	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PASADENA BOAT YARD
60	38 50 30	76 32 02	WT-8	WEST CHESAPEAKE	SEVERN	2060004	SHADY OAK BOAT YARD
61	38 49 36	76 31 46	BFL	WEST CHESAPEAKE	SEVERN	2060004	CHESAPEAKE YACHT CLUB
62	38 46 31	76 32 35	BFL	WEST CHESAPEAKE	SEVERN	2060004	BACK BAY AND CHERRY POINT
63	38 46 02	76 33 40	BFL	WEST CHESAPEAKE	SEVERN	2060004	MASON'S BEACH
64	38 44 55	76 33 28	BFL	WEST CHESAPEAKE	SEVERN	2060004	TOWN POINT
65	38 43 36	76 32 14	BFL	WEST CHESAPEAKE	SEVERN	2060004	FAIRHAVEN
7	39 09 19	76 30 38	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BAR HARBOR MARINA
8	39 09 12	76 30 10	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WHITE ROCKS MARINA
9	39 09 58	76 28 48	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FT. SMALLWOOD CABANA

ANNE ARUNDEL COUNTY SUMMER SWIM STATIONS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Washington D.C.
Chester
Choptank
Patuxent
Potomac
N
MD
VA
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15
30
45
MILES

ANNE ARUNDEL COUNTY SHELLFISH WATERS PROGRAM

PROGRAM DESCRIPTION: The Anne Arundel County Shellfish Waters Program consists of approximately 33 stations in closed waters in the county. These waters are routinely sampled once a week throughout the year.

PROGRAM OBJECTIVES: To track the status of the fecal coliform count in waters closed to shellfish harvesting.

DATE INITIATED: 1965

COORDINATING AGENCY:

Anne Arundel County Health Department
Harry S. Truman Parkway
Annapolis, Maryland 21401

FUNDING AGENCIES:

Anne Arundel County Health Department
Maryland Department of the Environment

PARTICIPATING AGENCIES:

Anne Arundel County Health Department (AACoHD)
Maryland Department of the Environment (MDE)

INVESTIGATORS:

Principal Investigator	Larry Luck	AACoHD

PARAMETERS:

Fecal Coliform

STATIONS: There are presently 33 stations located throughout Anne Arundel County. This number is subject to change as waters are closed or re-opened to shellfish harvesting.

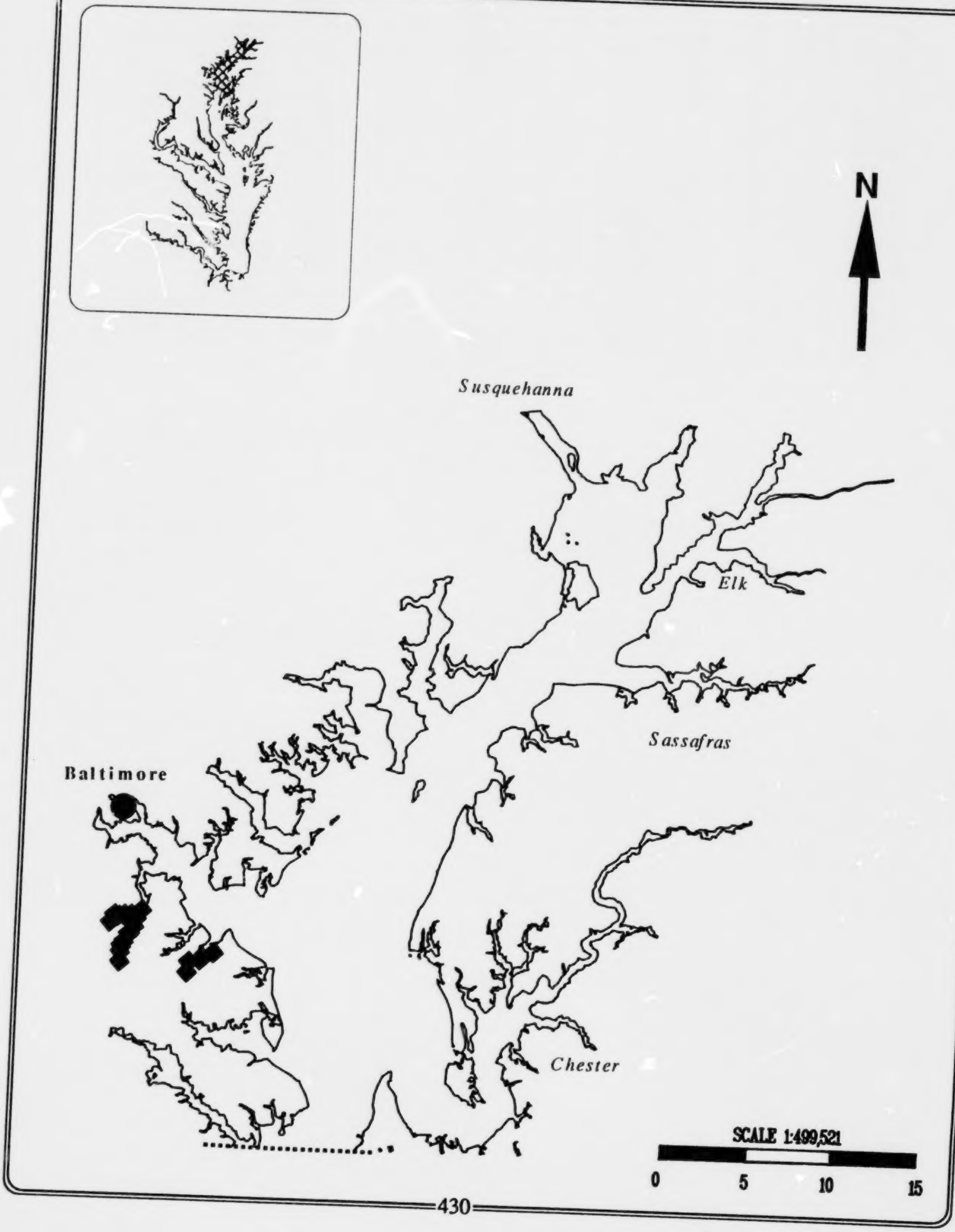
SAMPLE COLLECTION: Samples are collected once a week throughout the year. Grab samples are taken at each station location approximately two feet below the surface except where taken from the shoreline. All samples are kept cold and treated as 3-day legal samples. They are analyzed for the Most Probable Number (MPN) of fecal coliform up to 24,000. At the discretion of the Principal Investigator, they may be further tested up to 2.4 million.

PROGRAM INTEGRATION: N/A

ANNE ARUNDEL COUNTY SHELLFISH WATER STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 10 50	76 36 49	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SAWMILL CREEK
10	39 10 06	76 35 17	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GATEWATER LANDING
11	39 09 56	76 35 29	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MARGATE
12	39 09 38	76 35 47	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	COUNTRY CLUB ESTATES
13	39 09 14	76 35 55	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MARLEY BRIDGE
14	39 09 05	76 36 07	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MARLEY PUMPING STATION
15	39 08 41	76 36 26	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NORTH BRANCH STREAM
16	39 08 38	76 36 24	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH BRANCH STREAM
17	39 08 17	76 31 26	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BRIDGE ON PEKIN ROAD
18	39 08 37	76 31 17	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	VALLEY ROAD
19	39 08 32	76 31 11	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ISLE DRIVE
2	39 10 59	76 36 21	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ROUTE 10
20	39 08 38	76 30 54	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	EDNA AND BERTHA ROADS
21	39 08 37	76 30 47	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SMITH PROPERTY
22	39 08 59	76 29 44	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WALL DRIVE
23	39 08 60	76 29 37	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	CURTAIN PROPERTY
3	39 10 47	76 36 04	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	HAMMARFEE APTS.
4	39 10 44	76 35 50	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BUTZ PROPERTY
5	39 10 43	76 35 47	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BELL COVE
6	39 10 49	76 35 33	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	7TH AVENUE
7	39 11 06	76 34 56	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	POINT PLEASANT BEACH
8	39 10 47	76 35 01	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	HIGDONS INN/CAPTAINS COVE
9	39 10 20	76 35 09	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	END OF MARLEE CREEK DRIVE

ANNE ARUNDEL COUNTY
SHELLFISH WATERS STATIONS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Susquehanna
Elk
Sassafras
Baltimore
Chester
SCALE 1:499,521
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5
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15

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING PROGRAM

PROGRAM DESCRIPTION: The Virginia Shellfish Bacteriological Monitoring Program involves the monthly surveillance of water for bacteriological contamination of all shellfish growing areas. Information from 2144 stations is collated and evaluated semiannually to determine the proper classification of all shellfish growing areas as to acceptability for direct marketing of shellfish.

PROGRAM OBJECTIVES: To protect the health of consumers and to facilitate the interstate sale of products by the Virginia shellfish and crab meat industry.

DATE INITIATED: 1926

COORDINATING AGENCY:

Virginia Department of Health
Division of Shellfish Sanitation
109 Governor Street
Richmond, Virginia 23219

FUNDING AGENCY: Virginia Department of Health, Bureau of Shellfish Sanitation

PARTICIPATING AGENCY: Virginia Department of Health, Bureau of Shellfish Sanitation (BSS)

INVESTIGATORS:

Director	Cloyde W. Wiley	BSS
Program Coordinator	Mary P. Wright	BSS

PARAMETERS:

Water Column:
Fecal Coliform
Temperature*
Salinity*

Meteorological:
Wind Velocity*
Wind Direction*
Tidal Stage
Rain Occurrence

* Measured at select stations

STATIONS: There are 2144 stations located throughout Virginia waters.

SAMPLE COLLECTION: Each station is visited once per month and a grab water sample (approximately 12 inches below the surface) is taken. Fecal coliform counts are made from this sample to the most probable number.

PROGRAM INTEGRATION: N/A

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0011	38 16 09	76 59 09	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
00110	38 16 00	77 00 35	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
00111	38 16 00	77 00 48	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
00112	38 16 01	77 01 00	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
00113	38 16 01	77 01 18	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0012	38 16 09	76 59 24	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0013	38 16 09	76 59 36	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0014	38 16 09	76 59 52	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0015	38 16 09	76 59 50	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0016	38 16 09	76 59 36	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0017	38 16 00	77 00 04	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0017A	38 16 09	76 59 55	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0017B	38 16 09	76 59 49	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0017C	38 16 09	76 59 46	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0018	38 16 00	77 00 18	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
0019	38 16 00	77 00 28	BFL	POTOMAC	LOWER POTOMAC	2070011	ROSIER CREEK
001A1	38 18 01	77 01 40	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A10	38 19 03	77 03 23	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A11	38 19 03	77 03 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A12	38 18 03	77 03 43	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A13	38 18 03	77 03 44	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A14	38 18 04	77 04 00	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A15	38 18 04	77 04 01	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A16	38 18 03	77 03 48	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A17	38 19 03	77 03 28	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A2	38 18 01	77 01 56	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A2A	38 19 01	77 01 45	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A2Z	38 18 02	77 02 01	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A3	38 18 02	77 02 11	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A3A	38 19 02	77 02 08	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A4	38 18 02	77 02 31	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A5	38 19 02	77 02 45	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A5A	38 19 02	77 02 39	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A6	38 19 03	77 03 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A6A	38 19 02	77 02 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A7	38 19 03	77 03 12	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A8	38 19 03	77 03 17	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
001A9	38 19 03	77 03 27	LE-2	POTOMAC	LOWER POTOMAC	2070011	UPPER MACHODOC CREEK
0021	38 12 07	76 57 29	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00210	38 12 09	76 59 34	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00211	38 12 09	76 59 47	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00212	38 12 00	77 00 06	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00213	38 12 07	76 57 30	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00214	38 13 07	76 57 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00214X	38 13 07	76 57 20	LE-2	POTOMAC	LOWER POTOMAC	[illegible]070011	MONROE AND MATTOX CREEKS
00215	38 13 07	76 57 40	LE-2	POTOMAC	LOWER POTOMAC	[illegible]011	MONROE AND MATTOX CREEKS
00216	38 13 07	76 57 53	BFL	POTOMAC	LOWER POTOMAC	20[illegible]	MONROE AND MATTOX CREEKS
00217	38 13 07	76 57 56	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00218	38 14 07	76 57 59	LE-2	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00219	38 14 07	76 57 59	LE-2	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0022	38 12 07	76 57 48	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00220	38 14 07	76 57 59	LE-2	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00221	38 14 08	76 58 09	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
00222	38 14 08	76 58 09	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0023	38 12 08	76 58 09	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0024	38 12 08	76 58 20	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0025	38 12 08	76 58 34	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0026	38 12 08	76 58 50	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0027	38 12 09	76 59 00	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0028	38 12 09	76 59 05	BFL	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
0029	38 12 09	76 59 24	LE-2	POTOMAC	LOWER POTOMAC	2070011	MONROE AND MATTOX CREEKS
002D	38 13 07	76 57 35	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002E	38 13 07	76 57 29	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002F	38 13 07	76 57 13	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002G	38 12 07	76 57 05	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002H	38 13 07	76 57 14	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
002I	38 13 07	76 57 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002J	38 13 06	76 56 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002K	38 12 06	76 56 51	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002L	38 12 06	76 56 43	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002M	38 12 06	76 56 36	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002N	38 13 07	76 57 08	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002O	38 13 07	76 57 00	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002P	38 13 06	76 56 52	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002Q	38 13 06	76 56 44	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002R	38 12 06	76 56 35	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002S	38 12 06	76 56 28	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002T	38 12 06	76 56 21	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002U	38 12 06	76 56 15	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002V	38 12 05	76 55 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
002W	38 12 05	76 55 39	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER
0031	38 11 04	76 54 19	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0032	38 11 04	76 54 35	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0033	38 11 04	76 54 39	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0034	38 10 04	76 54 45	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0035	38 10 04	76 54 53	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0036	38 10 05	76 55 00	BFL	POTOMAC	LOWER POTOMAC	2070011	POPES CREEK
0041	38 09 02	76 42 34	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00410	38 09 05	76 45 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00411	38 08 05	76 45 40	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00412	38 09 05	76 45 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00413	38 09 05	76 45 45	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00414	38 09 06	76 46 16	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00415	38 09 06	76 46 00	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00416	38 08 03	76 43 25	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00417	38 07 03	76 43 14	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00418	38 07 03	76 43 11	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00419	38 07 03	76 43 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0042	38 09 03	76 43 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00420	38 07 02	76 42 51	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00421	38 06 02	76 42 42	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00422	38 06 02	76 42 52	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00423	38 06 03	76 43 12	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00424	38 06 02	76 42 59	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00425	38 06 03	76 43 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00426	38 06 03	76 43 25	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00427	38 06 03	76 43 48	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00428	38 06 04	76 44 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00429	38 06 04	76 44 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00429.5	38 06 04	76 44 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0043	38 09 04	76 44 21	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00430	38 05 04	76 44 01	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00430.2	38 05 04	76 44 06	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00430.4	38 05 03	76 43 54	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00430.6	38 05 03	76 43 42	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00431	38 08 03	76 43 04	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00432	38 08 02	76 42 38	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00433	38 07 02	76 42 36	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00434	38 07 02	76 42 15	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00435	38 07 01	76 41 52	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00436	38 07 01	76 41 36	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00437	38 08 02	76 42 45	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
00438	38 08 02	76 42 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0044	38 08 03	76 43 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0045	38 08 02	76 42 46	BFL	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0046	38 08 03	76 43 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0047	38 08 03	76 43 57	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0048	38 08 04	76 44 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0049	38 08 04	76 44 37	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0051	38 09 08	76 38 13	LE-2	POTOMAC	LOWER POTOMAC	2070011	NOMINI AND CURRIOMAN BAYS
0051.82	38 09 08	76 38 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00510	38 07 08	76 38 15	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00511	38 07 08	76 38 48	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
00512	38 07 09	76 39 13	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00513	38 07 09	76 39 08	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00514	38 07 08	76 38 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00515	38 07 08	76 38 10	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00516	38 07 08	76 38 19	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00517	38 06 08	76 38 19	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00518	38 06 08	76 38 27	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00519	38 06 08	76 38 46	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0052	38 09 08	76 38 56	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00520	38 06 08	76 38 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00521	38 05 09	76 39 07	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00522	38 05 08	76 38 58	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00523	38 05 09	76 39 26	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
00524	38 06 09	76 39 50	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0053	38 09 90	76 39 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0054	38 09 00	76 40 57	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0055	38 08 09	76 39 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0056	38 08 80	76 38 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0056.5	38 08 80	76 38 53	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0056.5Z	38 08 80	76 38 40	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0057	38 08 09	76 39 01	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0057.3	38 08 80	76 38 48	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0057.7	38 08 80	76 38 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0058	38 08 80	76 38 17	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0058.4	38 08 80	76 38 21	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0058.4A	38 08 80	76 38 34	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0058Z	38 08 80	76 38 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0059	38 08 80	76 38 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	LOWER MACHODOC CREEK
0061	38 06 06	76 36 11	BFL	POTOMAC	LOWER POTOMAC	2070011	GARDNER CREEK
0062	38 06 06	76 36 27	BFL	POTOMAC	LOWER POTOMAC	2070011	GARDNER CREEK
0063	38 06 06	76 36 55	BFL	POTOMAC	LOWER POTOMAC	2070011	GARDNER CREEK
0064	38 06 05	76 35 53	BFL	POTOMAC	LOWER POTOMAC	2070011	JACKSON CREEK
0065	38 06 06	76 36 05	BFL	POTOMAC	LOWER POTOMAC	2070011	JACKSON CREEK
0066	38 06 06	76 36 24	BFL	POTOMAC	LOWER POTOMAC	2070011	JACKSON CREEK
0067	38 05 04	76 34 55	BFL	POTOMAC	LOWER POTOMAC	2070011	BONUM CREEK
0068	38 05 50	76 35 10	BFL	POTOMAC	LOWER POTOMAC	2070011	BONUM CREEK
0069	38 05 50	76 35 37	BFL	POTOMAC	LOWER POTOMAC	2070011	BONUM CREEK
0071	38 02 01	76 31 12	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00710	38 03 30	76 33 13	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00711	38 03 30	76 33 20	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00712	38 02 03	76 33 20	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00713	38 02 03	76 33 39	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00714	38 02 03	76 33 49	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00715	38 01 02	76 32 32	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00716	38 01 02	76 32 53	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00717	38 01 03	76 33 15	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00718	38 01 03	76 33 39	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00719	38 01 03	76 33 58	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0072	38 01 10	76 31 05	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00720	38 01 03	76 33 58	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00721	38 01 04	76 34 14	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00722	38 01 04	76 34 26	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00723	38 01 04	76 34 36	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00724	38 01 04	76 34 24	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00725	38 01 04	76 34 17	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00726	38 01 04	76 34 20	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00727	38 01 04	76 34 34	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00728	38 00 04	76 34 47	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00728.2	38 00 04	76 34 58	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00728.4	38 00 05	76 35 02	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00728.6	38 00 05	76 35 11	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00728.8	38 00 05	76 35 16	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00729	38 01 03	76 33 06	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0073	38 01 02	76 32 12	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00730	38 01 03	76 33 13	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00731	38 01 03	76 33 23	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00732	38 01 02	76 32 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
00733	38 01 02	76 32 24	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00734	38 00 02	76 32 24	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00735	38 00 02	76 32 19	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00736	38 00 02	76 32 38	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00737	38 00 02	76 32 52	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00738	38 00 03	76 33 03	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00739	38 00 03	76 33 09	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0074	38 02 20	76 32 15	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00740	38 00 03	76 33 22	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00741	38 00 03	76 33 34	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00742	38 00 02	76 32 19	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00743	38 00 02	76 32 28	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00744	38 00 02	76 32 37	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00745	37 59 02	76 32 34	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00746	37 59 02	76 32 43	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00747	37 59 02	76 32 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00748	37 59 02	76 32 21	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00749	37 59 02	76 32 13	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0075	38 02 20	76 32 42	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00750	38 00 02	76 32 11	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00751	38 00 01	76 31 53	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00752	38 00 01	76 31 58	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00753	38 01 02	76 32 03	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
00754	38 01 10	76 31 47	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0076	38 02 20	76 32 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0077	38 02 20	76 32 59	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0078	38 02 03	76 33 11	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0079	38 02 03	76 33 18	BFL	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
0081	37 59 07	76 27 17	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00810	37 59 08	76 28 55	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00811	37 59 09	76 29 07	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00812	37 59 09	76 29 12	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00813	37 59 09	76 29 31	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00814	37 59 09	76 29 49	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00815	37 59 00	76 30 06	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00816	37 59 00	76 30 02	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00817	37 59 00	76 30 20	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00818	37 59 09	76 29 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00819	37 59 09	76 29 57	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0082	37 59 07	76 27 52	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00820	37 58 00	76 30 07	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00821	37 58 00	76 30 25	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00822	37 59 08	76 28 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00823	37 59 08	76 28 24	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00824	37 59 08	76 28 29	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00825	37 59 08	76 28 41	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00826	37 59 08	76 28 01	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00827	37 58 08	76 28 16	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00828	37 58 07	76 27 44	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00829	37 58 07	76 27 38	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0083	37 59 08	76 28 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00830	37 58 07	76 27 45	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00831	37 58 07	76 27 58	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00831.5Y	37 57 08	76 28 10	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00832	37 58 08	76 28 15	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00833	37 58 08	76 28 36	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00834	37 58 08	76 28 48	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00835	37 58 08	76 28 35	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00836	37 57 08	76 28 47	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00837	37 57 08	76 28 51	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00837.5Z	37 57 08	76 28 43	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00838	37 57 08	76 28 56	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00839	37 57 09	76 29 09	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0084	37 59 08	76 28 15	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00840	37 57 09	76 29 25	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00841	37 57 09	76 29 12	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00842	37 56 09	76 29 07	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
00843	37 56 09	76 29 01	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00844	37 56 08	76 28 59	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
00845	37 56 09	76 29 02	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0085	37 59 08	76 28 34	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0086	38 00 08	76 28 46	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0087	38 00 08	76 28 44	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0088	37 59 08	76 28 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0089	37 59 08	76 28 38	BFL	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
0091	37 58 06	76 26 10	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00910	37 57 03	76 23 28	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00911	37 57 03	76 23 08	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00912	37 56 03	76 23 21	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00913	37 56 03	76 23 42	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00914	37 56 03	76 23 14	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00915	37 55 03	76 23 04	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00916	37 55 03	76 23 08	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00917	37 55 03	76 23 22	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00918	37 55 03	76 23 04	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00919	37 56 01	76 21 02	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0092	37 58 06	76 26 28	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00920	37 56 01	76 21 17	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00920A	37 56 01	76 21 30	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00921	37 56 01	76 21 14	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00922	37 56 01	76 21 18	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00923	37 55 09	76 19 01	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00924	37 55 09	76 19 18	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
00925	37 55 09	76 19 42	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0093	37 58 06	76 26 44	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0094	37 58 06	76 26 03	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0095	37 58 06	76 26 07	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0096	37 57 04	76 24 59	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0097	37 57 05	76 25 01	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0098	37 57 05	76 25 10	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0099	37 57 02	76 22 51	BFL	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0099.1Y	37 57 02	76 22 44	LE-2	POTOMAC	LOWER POTOMAC	2070011	COD, PRESLEY, HULL, CUBITT AND
0101	37 53 04	76 14 10	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01010	37 53 05	76 15 09	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01010.5	37 52 05	76 15 19	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01011	37 53 04	76 14 38	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01012	37 53 06	76 16 56	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01013	37 53 07	76 17 16	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01013.5Y	37 53 07	76 17 42	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01013.5Z	37 53 07	76 17 38	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01014	37 53 07	76 17 43	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01015	37 53 07	76 17 47	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01016	37 53 08	76 18 14	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01017	37 54 08	76 18 23	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01018	37 54 08	76 18 35	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
01019	37 54 09	76 19 02	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0102	37 53 04	76 14 28	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
01020	37 54 08	76 18 42	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0103	37 53 04	76 14 53	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0104	37 53 05	76 15 04	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
0105	37 53 05	76 15 11	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
0106	37 53 05	76 15 36	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0107	37 53 05	76 15 55	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0107.2	37 53 06	76 16 09	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0107.4	37 54 06	76 16 24	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
0108	37 53 06	76 16 02	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0109	37 53 06	76 16 29	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE WICOMICO RIVER
0109W	37 52 06	76 16 49	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMIGO RIVER
0109X	37 52 06	76 16 22	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0109Y	37 52 06	76 16 32	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0109Z	37 52 06	76 16 33	BFL	POTOMAC	LOWER POTOMAC	2070011	LITTLE WICOMICO RIVER
0111	37 49 05	76 15 39	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TASKMAKERS CREEKS
0112	37 50 05	76 15 19	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TASKMAKERS CREEKS
0113	37 50 05	76 15 02	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OWENS POND

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0114	37 50 05	76 15 10	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OWENS POND
0115	37 51 05	76 15 15	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OWENS POND
0116	37 51 04	76 14 48	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GASKIN POND
0117	37 51 05	76 15 07	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GASKIN POND
0118	37 51 04	76 14 59	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GASKIN POND
0121	37 48 06	76 16 46	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
01210	37 50 06	76 16 14	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
01211	37 50 07	76 17 05	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01212	37 50 07	76 17 16	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01213	37 50 06	76 16 55	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01214	37 50 06	76 16 56	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01215	37 50 07	76 17 04	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01216	37 51 07	76 17 13	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	COCKRELL CREEK
01217	37 49 07	76 17 43	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
01218	37 48 07	76 17 56	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
01219	37 49 07	76 17 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
0122	37 48 07	76 17 24	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
0122.5	37 48 07	76 17 15	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
01220	37 48 07	76 17 08	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
01221	37 48 06	76 16 54	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INGRAM BAY
0123	37 49 07	76 17 09	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0124	37 49 06	76 16 53	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0125	37 49 06	76 16 33	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0126	37 49 06	76 16 53	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0127	37 49 07	76 17 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0128	37 50 06	76 16 44	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0129	37 50 06	76 16 29	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	COCKRELL CREEK
0131	37 49 08	76 18 05	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
01310	37 50 01	76 21 01	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01311	37 50 01	76 21 06	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01312	37 50 00	76 20 51	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01313	37 50 00	76 20 40	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01314	37 50 01	76 21 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01315	37 50 01	76 21 36	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01316	37 50 01	76 21 47	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01317	37 51 01	76 21 33	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
01318	37 50 02	76 22 02	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01319	37 50 02	76 22 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0131A	37 50 07	76 17 50	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0132	37 49 08	76 18 37	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01320	37 50 02	76 22 51	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01321	37 50 03	76 23 14	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01322	37 51 02	76 22 12	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
01323	37 51 02	76 22 31	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01324	37 51 02	76 22 56	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01325	37 51 03	76 23 24	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01326	37 52 03	76 23 45	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01327	37 52 04	76 24 16	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
01328	37 52 04	76 24 43	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01329	37 52 05	76 25 18	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0133	37 49 09	76 19 10	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01330	37 48 08	76 18 27	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01331	37 48 08	76 18 47	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01332	37 48 09	76 19 12	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01333	37 50 08	76 18 41	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01334	37 50 08	76 18 41	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
01335	37 50 08	76 18 36	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0134	37 50 09	76 19 24	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
0135	37 50 09	76 19 08	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
0136	37 50 09	76 19 12	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GREAT WICOMICO RIVER
0137	37 51 09	76 19 13	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0138	37 50 09	76 19 47	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0139	37 50 00	76 20 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	GREAT WICOMICO RIVER
0141	37 47 07	76 17 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE
01410	37 45 09	76 19 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE
01410.5	37 45 09	76 19 15	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE
0142	37 47 08	76 18 13	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0142.6A	37 47 08	76 18 41	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESAPEAKE BAY AND HARVEYS CREE
0142.6B	37 47 08	76 18 57	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE
0142.6C	37 48 09	76 19 15	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY AND HARVEYS CREE
0143	37 47 08	76 18 39	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESAPEAKE BAY AND HARVEYS CREE
0143.1Z	37 47 08	76 18 51	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESAPEAKE BAY AND HARVEYS CREE
0144	37 47 08	76 18 57	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILL CREEK
0145	37 47 09	76 19 29	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILL CREEK
0146	37 47 00	76 20 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILL CREEK
0147	37 47 00	76 20 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILL CREEK
0147.5	37 48 00	76 20 40	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MILL CREEK
0148	37 46 08	76 18 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CLOVERDALE CREEK
0148.5	37 46 08	76 18 52	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	CLOVERDALE CREEK
0149	37 45 08	76 18 33	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESAPEAKE BAY
0151	37 43 08	76 18 05	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
01510	37 44 09	76 19 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01510A	37 44 09	76 19 52	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01511	37 44 00	76 20 05	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01512	37 44 00	76 20 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01513	37 44 00	76 20 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01513A	37 44 00	76 20 44	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01513B	37 44 00	76 20 50	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01514	37 44 00	76 20 17	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01515	37 44 00	76 20 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01516	37 45 00	76 20 13	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
01516A	37 45 00	76 20 29	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01517	37 45 00	76 20 08	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
01518	37 45 00	76 20 12	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
01519	37 45 00	76 20 20	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0152	37 43 08	76 18 25	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
0153	37 43 09	76 19 04	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
0153A	37 43 09	76 19 16	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0154	37 43 09	76 19 09	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
0155	37 43 08	76 18 59	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
0156	37 43 09	76 19 22	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0157	37 43 09	76 19 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0157A	37 43 09	76 19 43	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0158	37 43 00	76 20 03	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0158A	37 43 00	76 20 11	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0158B	37 43 00	76 20 17	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	DIVIDING CREEK
0159	37 44 09	76 19 20	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DIVIDING CREEK
01610	37 39 00	76 20 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TABBS CREEK
01611	37 39 00	76 20 48	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TABBS CREEK
01612	37 39 01	76 21 12	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TABBS CREEK
01613	37 39 01	76 21 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TABBS CREEK
01613.5	37 39 01	76 21 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TABBS CREEK
01614	37 39 09	76 19 53	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DYMER CREEK
01615	37 40 00	76 20 13	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DYMER CREEK
01616	37 39 00	76 20 39	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01617	37 40 00	76 20 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DYMER CREEK
01618	37 40 00	76 20 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01619	37 40 00	76 20 58	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01619.1	37 40 01	76 21 03	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DYMER CREEK
01619A	37 39 01	76 21 04	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01619B	37 39 01	76 21 09	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01619C	37 39 01	76 21 10	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01620	37 40 01	76 21 19	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01621	37 40 01	76 21 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01621A	37 40 01	76 21 53	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01621B	37 40 02	76 22 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01621C	37 41 01	76 21 57	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DYMER CREEK
01622	37 40 08	76 18 55	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01623	37 40 09	76 19 22	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01624	37 41 09	76 19 22	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01625	37 41 09	76 19 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01626	37 41 09	76 19 51	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01627	37 41 00	76 20 09	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01628	37 41 00	76 20 28	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
01629	37 41 00	76 20 47	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01629A	37 41 01	76 21 05	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01629B	37 41 01	76 21 18	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01630	37 41 00	76 20 59	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01630A	37 42 01	76 21 01	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	INDIAN CREEK
01630B	37 41 01	76 21 10	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01630C	37 41 01	76 21 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01631	37 42 01	76 21 11	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01632	37 42 00	76 20 55	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01633	37 42 00	76 20 48	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01634	37 42 00	76 20 46	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01635	37 42 01	76 21 16	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01636	37 42 01	76 21 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
01637	37 42 01	76 21 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	INDIAN CREEK
0169	37 39 00	76 20 04	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLEETS BAY
0171	37 39 09	76 19 06	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE BAY
0172	37 38 09	76 19 22	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE BAY
0173	37 38 09	76 19 24	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE BAY
0174	37 37 09	76 19 57	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ANTIPOISON CREEK
0175	37 37 00	76 20 29	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ANTIPOISON CREEK
0176	37 37 00	76 20 57	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ANTIPOISON CREEK
0177	37 38 01	76 21 11	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ANTIPOISON CREEK
0178	37 38 01	76 21 33	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ANTIPOISON CREEK
0181	37 36 01	76 21 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
01810	37 37 08	76 18 27	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LITTLE OYSTER CREEK
01811	37 37 07	76 17 55	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LITTLE OYSTER CREEK
01812	37 37 08	76 18 21	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LITTLE OYSTER CREEK
01813	37 37 08	76 18 09	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LITTLE OYSTER CREEK
01814	37 38 08	76 18 13	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LITTLE OYSTER CREEK
01815	37 36 08	76 18 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
01816	37 36 07	76 17 44	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
01817	37 36 07	76 17 28	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
01818	37 36 07	76 17 11	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
01819	37 36 07	76 17 34	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0182	37 36 01	76 21 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MOSQUITO CREEK
0183	37 37 01	76 21 21	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MOSQUITO CREEK
0184	37 37 01	76 21 39	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MOSQUITO CREEK
0185	37 37 01	76 21 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MOSQUITO CREEK
0186	37 37 01	76 21 03	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0187	37 37 00	76 20 44	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0188	37 37 00	76 20 27	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0189	37 36 00	76 20 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0191	37 38 06	76 26 29	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0192	37 37 05	76 25 09	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0193	37 37 03	76 23 50	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0194	37 36 02	76 22 53	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0195	37 36 02	76 22 13	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0201	37 38 06	76 26 29	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0201.5	37 39 06	76 26 33	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02010	37 39 04	76 24 49	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02011	37 39 04	76 24 39	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02012	37 39 06	76 26 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02012.5	37 39 06	76 26 32	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02013	37 39 06	76 26 37	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02013.5	37 39 06	76 26 48	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02014	37 39 06	76 26 10	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02015	37 39 06	76 26 04	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02016	37 39 06	76 26 07	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02017	37 40 06	76 26 09	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02018	37 39 05	76 25 57	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02019	37 40 05	76 25 51	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0202	37 39 06	76 26 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02020	37 40 05	76 25 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02021	37 40 05	76 25 30	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02022	37 40 06	76 26 13	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02023	37 40 06	76 26 13	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
02024	37 40 05	76 25 32	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
02025	37 39 06	76 26 02	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0203	37 39 06	76 26 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0204	37 39 06	76 26 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0205	37 38 05	76 25 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0206	37 39 05	76 25 51	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0207	37 39 05	76 25 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0207A	37 39 05	76 25 33	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0208	37 39 05	76 25 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0209	37 39 05	76 25 06	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CARTER CREEK
0211	37 38 07	76 27 40	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02110	37 39 00	76 30 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02111	37 39 00	76 30 43	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02112	37 40 09	76 29 02	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02113	37 40 09	76 29 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02114	37 40 08	76 28 28	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02115	37 41 07	76 27 31	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02115A	37 41 07	76 27 15	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02115B	37 41 06	76 26 54	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02116	37 41 08	76 28 17	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02117	37 41 09	76 29 02	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02117X	37 41 09	76 29 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02117Y	37 41 09	76 29 26	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02117Z	37 41 09	76 29 13	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02118	37 41 08	76 28 26	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02119	37 41 07	76 27 41	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0212	37 38 08	76 28 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02120	37 42 08	76 28 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02121	37 42 07	76 27 34	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02122	37 42 07	76 27 54	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02123	37 42 08	76 28 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02124	37 43 07	76 27 36	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02125	37 42 07	76 27 16	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02126	37 42 06	76 26 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02127	37 43 06	76 26 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02128	37 43 06	76 26 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02129	37 43 05	76 25 54	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0213	37 38 09	76 29 40	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02130	37 43 05	76 25 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02130A	37 43 05	76 25 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02131	37 43 05	76 25 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02132	37 43 06	76 26 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02133	37 43 05	76 25 24	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02134	37 43 05	76 25 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02135	37 43 04	76 24 40	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02135A	37 43 04	76 24 31	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02136	37 41 08	76 28 53	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02137	37 42 09	76 29 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02138	37 42 09	76 29 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02139	37 42 09	76 29 53	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0214	37 39 08	76 28 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02140	37 43 00	76 30 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02141	37 43 00	76 30 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02142	37 43 00	76 30 54	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02143	37 43 01	76 31 08	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02144	37 43 00	76 30 40	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02145	37 43 00	76 30 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02146	37 44 00	76 30 58	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02147	37 44 00	76 30 50	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02148	37 44 00	76 30 55	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02149	37 44 01	76 31 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0215	37 39 09	76 29 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02150	37 44 00	76 30 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02151	37 44 09	76 29 59	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02152	37 45 09	76 29 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
02153	37 45 09	76 29 46	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0216	37 39 09	76 29 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0217	37 39 00	76 30 04	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0218	37 39 00	76 30 06	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0219	37 39 00	76 30 20	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER
0221	37 39 01	76 31 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
02210	37 42 02	76 32 40	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	GREENVALE CREEK
02211	37 43 02	76 32 40	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	GREENVALE CREEK
02212	37 43 02	76 32 43	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	GREENVALE CREEK
0222	37 39 01	76 31 20	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UNNAMED CREEK
0223	37 39 01	76 31 59	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BEACH CREEK
0224	37 40 02	76 32 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BEACH CREEK
0225	37 40 02	76 32 10	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BEACH CREEK
0226	37 41 02	76 32 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PAYNES CREEK
0226.5	37 42 02	76 32 11	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PAYNES CREEK
0227	37 41 01	76 31 54	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PAYNES CREEK
0228	37 42 02	76 32 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PAYNES CREEK
0229	37 42 02	76 32 42	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0231	37 46 05	76 35 07	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02310	37 47 06	76 36 19	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02311	37 47 08	76 38 36	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02312	37 47 08	76 38 30	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02313	37 48 08	76 38 20	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02314	37 48 08	76 38 15	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02315	37 48 08	76 38 22	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02316	37 47 08	76 38 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02317	37 48 07	76 37 48	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02318	37 48 07	76 37 36	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02319	37 48 07	76 37 12	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0232	37 46 04	76 34 54	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02320	37 48 06	76 36 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
02321	37 48 06	76 36 28	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0233	37 46 04	76 34 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0234	37 46 04	76 34 46	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0235	37 46 07	76 37 34	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0236	37 47 07	76 37 41	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0237	37 47 07	76 37 19	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0238	37 47 07	76 37 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0239	37 47 06	76 36 42	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LANCASTER, DEEP, AND MULBERRY C
0241	37 49 01	76 41 12	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0241A	37 48 00	76 40 35	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0241Z	37 49 01	76 41 46	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0242	37 49 00	76 40 51	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0242.8Z	37 49 00	76 40 44	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0243	37 49 00	76 40 33	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0244	37 49 00	76 40 17	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0245	37 50 00	76 40 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0246	37 50 09	76 39 56	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	FARNHAM CREEKS
0251	37 52 04	76 44 54	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02510	37 54 03	76 43 14	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02511	37 54 03	76 43 21	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02512	37 54 03	76 43 17	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02513	37 54 03	76 43 24	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02514	37 55 03	76 43 20	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02515	37 55 03	76 43 17	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
02516	37 52 04	76 44 13	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RICHARDSON CREEK
02517	37 51 04	76 44 10	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RICHARDSON CREEK
02518	37 51 03	76 43 55	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RICHARDSON CREEK
02519	37 51 04	76 44 45	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
0252	37 52 04	76 44 36	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02520	37 51 05	76 45 08	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02521	37 52 05	76 45 28	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02522	37 52 05	76 45 44	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02523	37 52 05	76 45 20	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02524	37 52 05	76 45 03	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
02525	37 51 04	76 44 35	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
0253	37 53 04	76 44 29	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
0254	37 53 04	76 44 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
0255	37 53 03	76 43 59	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER AND TOTUSKEY
0256	37 53 03	76 43 34	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0257	37 53 03	76 43 19	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
0258	37 53 03	76 43 11	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
0259	37 53 03	76 43 03	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	TOTUSKEY CREEK
025A1	37 52 06	76 46 15	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A2	37 53 06	76 46 32	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A3	37 54 06	76 46 50	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A4	37 54 07	76 47 04	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A5	37 54 07	76 47 21	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A6	37 54 07	76 47 45	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A7	37 55 07	76 47 53	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A8	37 55 09	76 49 04	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
025A9	37 56 00	76 50 29	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0261	37 48 04	76 44 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0261A	37 48 04	76 44 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
0262	37 47 03	76 43 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
026A1	37 52 06	76 46 16	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A10	37 55 09	76 49 41	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A11	37 55 00	76 50 30	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A12	37 55 00	76 50 28	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A13	37 55 00	76 50 45	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A14	37 55 01	76 51 10	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A15	37 55 01	76 51 12	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A16	37 55 01	76 51 24	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A17	37 55 01	76 51 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A2	37 53 07	76 47 11	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A3	37 53 07	76 47 25	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A4	37 53 08	76 48 04	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A5	37 54 09	76 49 24	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A6	37 54 09	76 49 52	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A7	37 53 09	76 49 57	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A8	37 54 08	76 48 55	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
026A9	37 54 09	76 49 22	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK R, HOSKINS AND PIS
0271	37 42 05	76 35 52	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	WEEKS CREEK
0272	37 41 05	76 35 55	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	WEEKS CREEK
0273	37 42 05	76 35 52	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	HARRY GEORGE CREEK
0274	37 44 06	76 36 55	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0274.7A	37 44 07	76 37 10	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0275	37 43 07	76 37 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0276	37 43 07	76 37 06	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0277	37 43 07	76 37 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0278	37 43 07	76 37 37	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROTTS CREEK
0281	37 38 04	76 34 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02810	37 40 05	76 35 31	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02811	37 40 05	76 35 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02812	37 40 06	76 36 03	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02813	37 40 06	76 36 24	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02814	37 40 06	76 36 44	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02815	37 40 06	76 36 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
02816	37 40 07	76 3[illegible] 01	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0282	37 38 04	76 34 36	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0283	37 39 04	76 34 43	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0284	37 39 04	76 34 53	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0285	37 39 05	76 35 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0286	37 39 05	76 35 22	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0287	37 39 04	76 34 36	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0288	37 39 04	76 34 51	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0289	37 40 05	76 35 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LAGRANGE AND ROBINSON CREEKS
0291	37 38 03	76 33 41	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02910	37 37 04	76 34 36	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02911	37 37 04	76 34 48	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02912	37 37 04	76 34 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02913	37 37 04	76 34 45	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02914	37 37 05	76 35 03	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02915	37 37 05	76 35 23	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02916	37 37 05	76 35 26	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
02917	37 37 05	76 35 37	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0292	37 38 04	76 34 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
02922	37 38 04	76 34 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0293	37 38 04	76 34 11	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0294	37 38 04	76 34 13	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0295	37 38 04	76 34 14	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0296	37 38 04	76 34 19	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0297	37 37 04	76 34 17	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0298	37 37 04	76 34 19	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0299	37 37 04	76 34 26	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	URBANNA CREEK
0304	37 36 06	76 26 39	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
0305	37 36 06	76 26 47	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
0306	37 36 07	76 27 17	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
0307	37 36 07	76 27 18	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
0308	37 36 07	76 27 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
0309	37 36 07	76 27 40	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MEACHIM CREEK
030L1	37 38 03	76 33 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L10	37 36 01	76 31 12	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L10A	37 36 01	76 31 13	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L10B	37 37 01	76 31 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L10C	37 37 00	76 30 55	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L10D	37 37 00	76 30 44	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L11	37 36 00	76 30 55	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L11A	37 36 01	76 31 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L11B	37 37 00	76 30 43	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L11C	37 37 00	76 30 43	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L11D	37 37 00	76 30 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L12	37 36 00	76 30 12	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L12A	37 36 00	76 30 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L12B	37 37 00	76 30 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L12C	37 37 00	76 30 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L13	37 37 09	76 29 37	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L13A	37 36 09	76 29 42	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L13B	37 37 09	76 29 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L13C	37 37 09	76 29 37	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L14	37 36 09	76 29 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L14B	37 37 09	76 29 04	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L14C	37 37 09	76 29 04	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L15	37 36 08	76 28 31	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L15B	37 37 08	76 28 26	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L15C	37 37 08	76 28 28	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L16A	37 36 07	76 27 57	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L16B	37 37 07	76 27 54	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L16C	37 37 07	76 27 52	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L17	37 36 07	76 27 28	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L17B	37 37 07	76 27 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L17C	37 37 07	76 27 18	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L1A	37 38 03	76 33 51	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L1B	37 38 03	76 33 28	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L1C	37 38 02	76 32 57	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L1D	37 39 02	76 32 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L2	37 38 03	76 33 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L2B	37 38 03	76 33 11	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L2C	37 38 02	76 32 40	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L2D	37 38 02	76 32 22	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L3	37 37 03	76 33 09	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L3B	37 38 02	76 32 52	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L3C	37 38 02	76 32 26	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L3D	37 38 02	76 32 10	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L4	37 37 02	76 32 58	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L4A	37 37 03	76 33 10	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L4B	37 37 02	76 32 42	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L4C	37 38 02	76 32 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L4D	37 38 01	76 31 58	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L5	37 37 02	76 32 45	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L5A	37 37 02	76 32 56	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L5B	37 37 02	76 32 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L5C	37 37 02	76 32 01	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L5D	37 38 01	76 31 43	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
030L6	37 37 02	76 32 35	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L6A	37 37 02	76 32 41	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L6B	37 37 02	76 32 15	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L6C	37 37 01	76 31 44	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L6D	37 38 01	76 31 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L7	37 37 02	76 32 15	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L7A	37 36 02	76 32 22	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L7B	37 37 02	76 32 06	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L7C	37 37 01	76 31 32	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L7D	37 37 01	76 31 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L8	37 36 01	76 31 58	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L8A	37 36 02	76 32 04	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L8B	37 37 01	76 31 46	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L8C	37 37 01	76 31 22	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L9	37 36 01	76 31 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L9A	37 36 01	76 31 44	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L9B	37 37 01	76 31 31	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L9C	37 37 01	76 31 13	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030L9D	37 37 00	76 30 59	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LA	37 38 03	76 33 49	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LB	37 38 03	76 33 33	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LC	37 39 03	76 33 06	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LD	37 34 02	76 32 50	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LE	37 38 03	76 33 55	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LF	37 38 03	76 33 38	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LG	37 39 03	76 33 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LH	37 39 02	76 32 59	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LI	37 38 04	76 34 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LJ	37 39 03	76 33 50	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LK	37 39 03	76 33 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030LL	37 39 03	76 33 08	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
030W1	37 36 00	76 30 21	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	WHITING CREEK
030W2	37 36 00	76 30 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	WHITING CREEK
030W3	37 36 00	76 30 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	WHITING CREEK
0311	37 36 05	76 25 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03110	37 35 05	76 25 26	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03111	37 35 05	76 25 42	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03112	37 35 06	76 26 00	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03113	37 34 05	76 25 01	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03114	37 35 04	76 24 40	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
03115	37 35 04	76 24 28	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0312	37 36 05	76 25 31	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0313	37 35 05	76 25 34	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0314	37 35 05	76 25 43	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0315	37 35 06	76 26 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0316	37 35 06	76 26 02	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0317	37 35 06	76 26 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0318	37 35 05	76 25 18	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0319	37 35 05	76 25 10	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES AND MILL CREEKS
0321	37 34 03	76 23 16	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BUSH PARK CREEK
0322	37 34 03	76 23 18	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BUSH PARK CREEK
0323	37 33 03	76 23 29	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	BUSH PARK CREEK
0324	37 34 00	76 20 11	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON CREEK
0325	37 33 00	76 20 15	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON CREEK
0326	37 33 00	76 20 28	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON CREEK
0327	37 33 00	76 20 40	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON CREEK
0328	37 33 01	76 21 01	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON CREEK
0331	37 34 08	76 18 42	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER
03310	37 32 09	76 19 48	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	JACKSON CREEK
03311	37 33 09	76 19 59	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03312	37 32 09	76 19 51	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	JACKSON CREEK
03313	37 32 00	76 20 03	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03314	37 32 00	76 20 15	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03315	37 32 00	76 20 26	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03316	37 32 09	76 19 22	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03317	37 33 00	76 20 02	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
03318	37 33 00	76 20 03	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
						2080104	BROAD CREEK
0332	37 33 08	76 18 53	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0332.5	37 33 08	76 18 53	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0332A	37 33 08	76 18 44	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0332B	37 33 08	76 18 29	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0333	37 33 08	76 18 50	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0333.5	37 33 08	76 18 58	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0334	37 33 09	76 19 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0335	37 33 09	76 19 04	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0336	37 33 09	76 19 18	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
0337	37 32 09	76 19 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CHESAPEAKE BAY
0338	37 32 09	76 19 20	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
0339	37 32 09	76 19 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	JACKSON CREEK
0341	37 30 00	76 20 13	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03410	37 31 04	76 24 07	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03411	37 31 03	76 23 54	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03412	37 31 03	76 23 53	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03413	37 31 04	76 24 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03414	37 31 04	76 24 37	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
03415	37 31 04	76 24 56	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
03416	37 31 04	76 24 58	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
03417	37 30 04	76 24 46	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03418	37 30 05	76 25 12	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
0342	37 31 00	76 20 47	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0343	37 32 00	76 20 11	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0343A	37 32 00	76 20 22	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0343B	37 32 00	76 20 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0343C	37 32 00	76 20 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0343D	37 32 09	76 19 59	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0344	37 31 01	76 21 38	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
0345	37 31 02	76 22 26	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
0345.5	37 32 02	76 22 58	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0346	37 32 03	76 23 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0347	37 32 03	76 23 37	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0348	37 32 03	76 23 21	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER PIANKATANK RIVER
0349	37 31 03	76 23 19	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER PIANKATANK RIVER
03519	37 30 05	76 25 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03520	37 31 06	76 26 03	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03521	37 31 06	76 26 07	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03522	37 30 06	76 26 22	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03523	37 30 06	76 26 52	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03524	37 31 07	76 27 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03525	37 30 07	76 27 43	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03526	37 31 07	76 27 38	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03527	37 31 08	76 28 05	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03528	37 31 08	76 28 31	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03529	37 32 08	76 28 56	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03530	37 32 09	76 29 25	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03531	37 32 09	76 29 53	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03532	37 32 00	76 30 16	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03533	37 32 00	76 30 09	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03534	37 32 00	76 30 18	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
03535	37 32 00	76 30 46	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03536	37 32 01	76 31 29	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	UPPER PIANKATANK RIVER
03537	37 33 01	76 31 41	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER PIANKATANK RIVER
0361	37 30 08	76 18 56	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
03610	37 29 08	76 18 13	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILFORD HAVEN
03611	37 29 07	76 17 58	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
03612	37 29 07	76 17 33	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
03613	37 29 07	76 17 50	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
03614	37 29 08	76 18 05	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
03615	37 28 08	76 18 11	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILFORD HAVEN
03616	37 29 07	76 17 35	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
03617	37 29 07	76 17 24	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
03618	37 29 07	76 17 01	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
03619	37 28 06	76 16 59	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
0362	37 29 09	76 19 02	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
03620	37 28 06	76 16 35	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
03621	37 28 06	76 16 28	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MILFORD HAVEN
0363	37 29 09	76 19 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
0363Y	37 29 08	76 18 45	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILFORD HAVEN
0363Z	37 29 09	76 19 04	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MILFORD HAVEN
0368	37 29 08	76 18 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILFORD HAVEN
0369	37 29 08	76 18 26	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MILFORD HAVEN
03722	37 28 06	76 16 51	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STUTTS CREEK
03723	37 28 07	76 17 10	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STUTTS CREEK
03723.1	37 27 07	76 17 10	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03723.2	37 27 07	76 17 04	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03723.3	37 27 06	76 16 48	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STUTTS CREEK
03723.4	37 26 07	76 17 07	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03724	37 27 07	76 17 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03725	37 27 07	76 17 51	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03726	37 27 08	76 18 16	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03726.1	37 27 08	76 18 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03726.2	37 27 08	76 18 31	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03726.3	37 27 08	76 18 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03727	37 27 08	76 18 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03728	37 27 08	76 18 55	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03729	37 27 08	76 18 58	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03730	37 28 09	76 19 11	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STUTTS CREEK
03731	37 28 06	76 16 18	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STOAKES AND WHITES CREEKS
03732	37 27 06	76 16 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STOAKES AND WHITES CREEKS
03733	37 27 05	76 15 49	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STOAKES AND WHITES CREEKS
03734	37 27 06	76 16 10	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STOAKES AND WHITES CREEKS
03735	37 26 06	76 16 15	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STOAKES AND WHITES CREEKS
03736	37 27 05	76 15 36	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	STOAKES AND WHITES CREEKS
03737	37 26 05	76 15 28	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	STOAKES AND WHITES CREEKS
0374	37 29 09	76 19 43	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0375	37 29 00	76 20 03	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0376	37 29 00	76 20 20	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0377	37 29 00	76 20 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0377A	37 29 00	76 20 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0377B	37 29 01	76 21 01	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0377C	37 29 01	76 21 15	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
0377D	37 29 01	76 21 20	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	QUEENS CREEK
04010	37 21 09	76 19 34	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SLOOP CREEK
04114	37 26 01	76 21 43	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
04115	37 26 01	76 21 28	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0412	37 22 00	76 20 24	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0413	37 23 00	76 20 20	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0414	37 23 00	76 20 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0415	37 24 00	76 20 56	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0416	37 24 00	76 20 44	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	EAST RIVER
0417	37 24 00	76 20 20	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	PUT IN CREEK
0418	37 25 00	76 20 02	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	PUT IN CREEK
0419	37 25 09	76 19 54	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	PUT IN CREEK
0419.5	37 25 09	76 19 51	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	PUT IN CREEK
0421	37 22 04	76 24 05	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04210	37 25 04	76 24 16	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04210.5	37 25 04	76 24 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04210.5Z	37 25 04	76 24 12	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04211	37 25 04	76 24 34	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04211.3Z	37 25 04	76 24 44	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04212	37 25 04	76 24 37	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04212.4	37 26 04	76 24 40	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04212.5	37 26 04	76 24 46	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04213	37 24 05	76 25 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04214	37 24 06	76 26 05	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215	37 25 06	76 26 47	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215V	37 24 07	76 27 48	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215W	37 24 07	76 27 38	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215X	37 24 07	76 27 27	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215Y	37 25 07	76 27 18	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04215Z	37 25 07	76 27 09	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04216	37 25 07	76 27 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
04217	37 26 06	76 26 52	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04218	37 26 06	76 26 47	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
04219	37 25 07	76 27 28	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0422	37 22 03	76 23 33	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0423	37 23 04	76 24 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0424	37 23 03	76 23 57	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0425	37 23 04	76 24 45	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0425Z	37 23 05	76 25 08	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0426	37 24 04	76 24 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0427	37 24 04	76 24 46	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0428	37 24 04	76 24 11	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0429	37 25 04	76 24 08	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0429.7Z	37 25 04	76 24 19	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	NORTH RIVER
0431	37 20 04	76 24 27	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04310	37 22 08	76 28 04	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04311	37 21 08	76 28 27	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04312	37 21 08	76 28 52	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04312.1	37 22 08	76 28 54	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04312.2	37 22 09	76 29 05	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04312Z	37 21 09	76 29 01	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04313	37 22 07	76 27 38	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04314	37 23 07	76 27 27	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04315	37 23 07	76 27 44	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04316	37 23 08	76 28 14	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04317	37 23 08	76 28 40	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04318	37 23 09	76 29 06	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04318.5X	37 24 09	76 29 58	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04318.5Y	37 24 09	76 29 42	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04318.5Z	37 24 09	76 29 29	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04319	37 24 09	76 29 18	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0432	37 21 04	76 24 25	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04320	37 24 09	76 29 28	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04321	37 24 09	76 29 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04322	37 24 09	76 29 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
04323	37 25 09	76 29 32	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0433	37 21 05	76 25 28	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0434	37 22 05	76 25 22	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0435	37 21 06	76 26 09	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0436	37 22 06	76 26 09	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0437	37 22 06	76 26 48	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0437Y	37 21 07	76 27 22	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0437Z	37 21 06	76 26 59	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0438	37 22 07	76 27 01	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0439	37 22 07	76 27 26	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0439.5	37 21 07	76 27 46	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	WARE RIVER
0441	37 19 03	76 23 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04410	37 18 07	76 27 26	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04411	37 17 07	76 27 12	BFL	YORK	YORK	2080107	SEVERN RIVER
04412	37 17 07	76 27 17	BFL	YORK	YORK	2080107	SEVERN RIVER
04412.1	37 17 07	76 27 30	BFL	YORK	YORK	2080107	SEVERN RIVER
04412.2	37 17 07	76 27 44	BFL	YORK	YORK	2080107	SEVERN RIVER
04412.3	37 17 07	76 27 55	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04412V	37 16 06	76 26 37	BFL	YORK	YORK	2080107	SEVERN RIVER
04412W	37 16 06	76 26 39	BFL	YORK	YORK	2080107	SEVERN RIVER
04412X	37 17 06	76 26 46	BFL	YORK	YORK	2080107	SEVERN RIVER
04412Y	37 17 07	76 27 01	BFL	YORK	YORK	2080107	SEVERN RIVER
04412Z	37 17 07	76 27 07	BFL	YORK	YORK	2080107	SEVERN RIVER
04413	37 19 06	76 26 26	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04413.7Y	37 19 06	76 26 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04414	37 19 07	76 27 02	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04415	37 19 07	76 27 29	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04416	37 19 08	76 28 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04416.5Z	37 19 08	76 28 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04416.8	37 19 08	76 28 07	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04416.8Z	37 19 08	76 28 14	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04416.9	37 19 08	76 28 17	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417	37 19 08	76 28 19	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
04417.2Z	37 19 08	76 28 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417.4	37 19 08	76 28 26	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417.4Y	37 19 08	76 28 35	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417.4Z	37 19 08	76 28 24	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417Y	37 19 08	76 28 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04417Z	37 19 08	76 28 24	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04418	37 19 08	76 28 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04418.2	37 19 08	76 28 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04418.4	37 20 08	76 28 35	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
04418.6	37 20 08	76 28 47	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0442	37 19 03	76 23 59	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0443	37 18 04	76 24 47	BFL	YORK	YORK	2080107	SEVERN RIVER
0444	37 19 04	76 24 57	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0445	37 18 05	76 25 51	BFL	YORK	YORK	2080107	SEVERN RIVER
0446	37 19 05	76 25 53	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0447	37 18 06	76 26 13	BFL	YORK	YORK	2080107	SEVERN RIVER
0448	37 18 06	76 26 39	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0449	37 18 07	76 27 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SEVERN RIVER
0451	37 18 02	76 22 43	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
04510	37 15 03	76 23 22	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
04511	37 16 03	76 23 17	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
04512	37 16 03	76 23 42	BFL	YORK	YORK	2080107	BROWNS BAY AND MONDAY CREEK
04513	37 16 04	76 24 02	BFL	YORK	YORK	2080107	BROWNS BAY AND MONDAY CREEK
0452	37 18 03	76 23 10	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0453	37 18 03	76 23 26	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0454	37 18 03	76 23 51	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0455	37 18 04	76 24 15	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0456	37 16 02	76 22 34	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0457	37 16 02	76 22 55	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0458	37 16 03	76 23 10	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0459	37 15 02	76 22 58	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY AND MONDAY CREEK
0461	37 14 09	76 29 12	LE-4	YORK	YORK	2080107	YORK RIVER
0461.5	37 14 09	76 29 10	LE-4	YORK	YORK	2080107	YORK RIVER
04610	37 15 05	76 25 23	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PERRIN RIVER
04610.5	37 15 05	76 25 27	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PERRIN RIVER
04611	37 16 05	76 25 29	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PERRIN RIVER
04612	37 16 05	76 25 46	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PERRIN RIVER
04613	37 16 05	76 25 59	BFL	YORK	YORK	2080107	PERRIN RIVER
04614	37 16 06	76 26 10	BFL	YORK	YORK	2080107	PERRIN RIVER
04615	37 14 05	76 25 42	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
04616	37 14 06	76 26 40	LE-4	YORK	YORK	2080107	YORK RIVER
04617	37 14 07	76 27 35	LE-4	YORK	YORK	2080107	YORK RIVER
04618	37 14 08	76 28 46	LE-4	YORK	YORK	2080107	YORK RIVER
04619	37 14 04	76 24 33	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
0461A	37 14 00	76 30 05	LE-4	YORK	YORK	2080107	YORK RIVER
0461B	37 14 09	76 29 47	LE-4	YORK	YORK	2080107	YORK RIVER
0461C	37 14 09	76 29 27	LE-4	YORK	YORK	2080107	YORK RIVER
0462	37 15 09	76 29 04	LE-4	YORK	YORK	2080107	SARAH CREEK
0462.5	37 15 08	76 28 50	LE-4	YORK	YORK	2080107	SARAH CREEK
04620	37 14 03	76 23 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SARAH CREEK
04621	37 15 02	76 22 35	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	SARAH CREEK
0462A	37 15 08	76 28 47	LE-4	YORK	YORK	2080107	SARAH CREEK
0463	37 15 08	76 28 43	BFL	YORK	YORK	2080107	SARAH CREEK
0463.5	37 15 08	76 28 48	LE-4	YORK	YORK	2080107	SARAH CREEK
0464	37 15 08	76 28 52	LE-4	YORK	YORK	2080107	SARAH CREEK
0464.5	37 15 08	76 28 59	LE-4	YORK	YORK	2080107	SARAH CREEK
0465	37 15 09	76 29 04	LE-4	YORK	YORK	2080107	SARAH CREEK
0465.5	37 15 09	76 29 14	LE-4	YORK	YORK	2080107	SARAH CREEK
0466	37 15 09	76 29 16	LE-4	YORK	YORK	2080107	SARAH CREEK
0466.5	37 15 08	76 28 35	BFL	YORK	YORK	2080107	SARAH CREEK
0467	37 15 08	76 28 26	BFL	YORK	YORK	2080107	SARAH CREEK
0467.5	37 15 08	76 28 18	BFL	YORK	YORK	2080107	SARAH CREEK
0468	37 15 08	76 28 08	BFL	YORK	YORK	2080107	SARAH CREEK
0469	37 15 05	76 25 16	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
0471	37 17 02	76 32 30	LE-4	YORK	YORK	2080107	TIMBERNECK CREEK
04710	37 18 01	76 31 57	LE-4	YORK	YORK	2080107	TIMBERNECK CREEK
04711	37 18 02	76 32 02	BFL	YORK	YORK	2080107	TIMBERNECK CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
04713	37 18 04	76 34 09	LE-4	YORK	YORK	2080107	CEDARBUSH CREEK
04714	37 18 03	76 33 43	LE-4	YORK	YORK	2080107	CEDARBUSH CREEK
04715	37 18 03	76 33 13	BFL	YORK	YORK	2080107	CEDARBUSH CREEK
04716	37 18 02	76 32 53	BFL	YORK	YORK	2080107	CEDARBUSH CREEK
04717	37 19 04	76 34 13	LE-4	YORK	YORK	2080107	CARTER CREEK
04718	37 19 04	76 34 30	BFL	YORK	YORK	2080107	CARTER CREEK
04718.2	37 19 04	76 34 28	BFL	YORK	YORK	2080107	CARTER CREEK
04718.4	37 19 04	76 34 15	LE-4	YORK	YORK	2080107	CARTER CREEK
04718.6	37 19 04	76 34 04	BFL	YORK	YORK	2080107	CARTER CREEK
04718.8	37 19 03	76 33 53	BFL	YORK	YORK	2080107	CARTER CREEK
04719	37 20 05	76 35 34	BFL	YORK	YORK	2080107	ABERDEEN CREEK
0472	37 17 02	76 32 25	LE-4	YORK	YORK	2080107	TIMBERNECK CREEK
04720	37 20 05	76 35 35	LE-4	YORK	YORK	2080107	ABERDEEN CREEK
04721	37 20 05	76 35 34	BFL	YORK	YORK	2080107	ABERDEEN CREEK
04722	37 21 06	76 36 58	LE-4	YORK	YORK	2080107	JONES CREEK
04723	37 21 06	76 36 50	LE-4	YORK	YORK	2080107	JONES CREEK
04724	37 21 06	76 36 43	BFL	YORK	YORK	2080107	JONES CREEK
04725	37 21 06	76 36 38	BFL	YORK	YORK	2080107	JONES CREEK
04726	37 21 07	76 37 23	LE-4	YORK	YORK	2080107	SANDY CREEK
04727	37 23 08	76 38 35	LE-4	YORK	YORK	2080107	FOX CREEK
04727.3	37 22 08	76 38 38	LE-4	YORK	YORK	2080107	YORK RIVER
04728	37 21 07	76 37 23	LE-4	YORK	YORK	2080107	YORK RIVER
04729	37 18 05	76 35 18	LE-4	YORK	YORK	2080107	YORK RIVER
0473	37 17 02	76 32 09	LE-4	YORK	YORK	2080107	YORK RIVER
04730	37 16 02	76 32 35	LE-4	YORK	YORK	2080107	YORK RIVER
04731	37 15 00	76 30 47	LE-4	YORK	YORK	2080107	YORK RIVER
0474	37 17 02	76 32 08	BFL	YORK	YORK	2080107	TIMBERNECK CREEK
0475	37 17 02	76 32 11	LE-4	YORK	YORK	2080107	TIMBERNECK CREEK
0476	37 17 02	76 32 03	BFL	YORK	YORK	2080107	TIMBERNECK CREEK
0477	37 17 01	76 31 59	BFL	YORK	YORK	2080107	TIMBERNECK CREEK
0478	37 17 01	76 31 57	BFL	YORK	YORK	2080107	TIMBERNECK CREEK
0479	37 18 01	76 31 55	LE-4	YORK	YORK	2080107	TIMBERNECK CREEK
0481	37 26 02	76 42 18	RET-4	YORK	YORK	2080107	YORK RIVER
04810	37 27 00	76 40 21	BFL	YORK	YORK	2080107	YORK RIVER
048100	37 27 03	76 43 55	RET-4	YORK	YORK	2080107	YORK RIVER
048101	37 28 04	76 44 10	RET-4	YORK	YORK	2080107	YORK RIVER
048102	37 28 04	76 44 24	RET-4	YORK	YORK	2080107	YORK RIVER
04811	37 27 00	76 40 12	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04812	37 27 09	76 39 51	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04813	37 27 09	76 39 45	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04814	37 28 09	76 39 27	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04815	37 28 09	76 39 17	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04816	37 24 00	76 40 10	LE-4	YORK	YORK	2080107	PURTAN BAY
04817	37 24 09	76 39 52	LE-4	YORK	YORK	2080107	PURTAN BAY
04818	37 24 09	76 39 40	LE-4	YORK	YORK	2080107	PURTAN BAY
04819	37 24 09	76 39 43	LE-4	YORK	YORK	2080107	PURTAN BAY
0482	37 26 02	76 42 15	RET-4	YORK	YORK	2080107	YORK RIVER
04820	37 25 01	76 41 27	LE-4	YORK	YORK	2080107	YORK RIVER
04821	37 25 01	76 41 05	LE-4	YORK	YORK	2080107	ADAMS CREEK
04822	37 26 03	76 43 45	RET-4	YORK	YORK	2080107	ADAMS CREEK
04823	37 26 02	76 42 27	RET-4	YORK	YORK	2080107	YORK RIVER
04824	37 24 01	76 41 09	LE-4	YORK	YORK	2080107	YORK RIVER
04825	37 23 00	76 40 04	LE-4	YORK	YORK	2080107	YORK RIVER
0483	37 26 02	76 42 19	RET-4	YORK	YORK	2080107	POROPOTANK RIVER
0484	37 27 02	76 42 02	RET-4	YORK	YORK	2080107	POROPOTANK RIVER
0485	37 26 01	76 41 41	BFL	YORK	YORK	2080107	POROPOTANK RIVER
0486	37 26 01	76 41 20	BFL	YORK	YORK	2080107	POROPOTANK RIVER
0487	37 27 01	76 41 10	RET-4	YORK	YORK	2080107	POROPOTANK RIVER
0488	37 27 00	76 40 54	BFL	YORK	YORK	2080107	POROPOTANK RIVER
0489	37 27 00	76 40 43	BFL	YORK	YORK	2080107	POROPOTANK RIVER
04892	37 24 01	76 41 04	LE-4	YORK	YORK	2080107	YORK RIVER
04893	37 25 01	76 41 30	LE-4	YORK	YORK	2080107	YORK RIVER
04894	37 25 01	76 41 46	LE-4	YORK	YORK	2080107	YORK RIVER
04895	37 25 02	76 42 14	RET-4	YORK	YORK	2080107	YORK RIVER
04896	37 26 02	76 42 39	RET-4	YORK	YORK	2080107	YORK RIVER
04897	37 26 03	76 43 02	RET-4	YORK	YORK	2080107	YORK RIVER
04898	37 26 03	76 43 28	RET-4	YORK	YORK	2080107	YORK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
04899	37 27 03	76 43 41	RET-4	YORK	YORK	2080107	YORK RIVER
049103	37 28 04	76 44 40	RET-4	YORK	YORK	2080107	YORK RIVER
049104	37 29 04	76 44 58	RET-4	YORK	YORK	2080107	YORK RIVER
049104A	37 29 04	76 44 42	RET-4	YORK	YORK	2080107	HOCKLEY CREEK
049104B	37 29 04	76 44 40	RET-4	YORK	YORK	2080107	HOCKLEY CREEK
049105	37 29 05	76 45 25	RET-4	YORK	YORK	2080107	YORK RIVER
049106	37 29 05	76 45 58	RET-4	YORK	YORK	2080107	YORK RIVER
049107	37 30 06	76 46 24	RET-4	YORK	YORK	2080107	YORK RIVER
049108	37 30 06	76 46 55	RET-4	YORK	YORK	2080107	YORK RIVER
049109	37 30 07	76 47 11	RET-4	YORK	YORK	2080107	YORK RIVER
049204	37 29 05	76 45 25	RET-4	YORK	YORK	2080107	YORK RIVER
049205	37 29 05	76 45 59	RET-4	YORK	YORK	2080107	YORK RIVER
049206	37 29 06	76 46 31	BFL	YORK	YORK	2080107	YORK RIVER
049207	37 29 07	76 47 00	BFL	YORK	YORK	2080107	YORK RIVER
049208	37 30 07	76 47 16	RET-4	YORK	YORK	2080107	YORK RIVER
049209	37 30 07	76 47 28	RET-4	YORK	YORK	2080107	YORK RIVER
0501	37 22 00	76 40 12	BFL	YORK	YORK	2080107	YORK RIVER
05010	37 22 01	76 41 54	BFL	YORK	YORK	2080107	SKIMINO CREEK
05011	37 21 02	76 42 01	BFL	YORK	YORK	2080107	SKIMINO CREEK
05012	37 21 02	76 42 11	BFL	YORK	YORK	2080107	SKIMINO CREEK
05013	37 21 02	76 42 23	BFL	YORK	YORK	2080107	SKIMINO CREEK
05014	37 21 09	76 39 20	LE-4	YORK	YORK	2080107	YORK RIVER
05015	37 21 09	76 39 09	LE-4	YORK	YORK	2080107	YORK RIVER
05016	37 20 09	76 39 04	BFL	YORK	YORK	2080107	YORK RIVER
05017	37 20 08	76 38 53	BFL	YORK	YORK	2080107	YORK RIVER
05018	37 20 08	76 38 38	BFL	YORK	YORK	2080107	YORK RIVER
05019	37 20 09	76 39 22	BFL	YORK	YORK	2080107	CARTER CREEK
050192	37 24 01	76 41 38	LE-4	YORK	YORK	2080107	YORK RIVER
050193	37 25 02	76 42 04	RET-4	YORK	YORK	2080107	YORK RIVER
050194	37 25 02	76 42 26	RET-4	YORK	YORK	2080107	YORK RIVER
050195	37 25 02	76 42 47	RET-4	YORK	YORK	2080107	YORK RIVER
050196	37 26 03	76 43 09	RET-4	YORK	YORK	2080107	YORK RIVER
050197	37 26 03	76 43 30	RET-4	YORK	YORK	2080107	YORK RIVER
050198	37 26 03	76 43 46	RET-4	YORK	YORK	2080107	YORK RIVER
050199	37 27 04	76 44 06	RET-4	YORK	YORK	2080107	YORK RIVER
0502	37 22 09	76 39 55	LE-4	YORK	YORK	2080107	YORK RIVER
05020	37 20 09	76 39 46	BFL	YORK	YORK	2080107	CARTER CREEK
050200	37 27 04	76 44 17	RET-4	YORK	YORK	2080107	YORK RIVER
050201	37 27 04	76 44 31	RET-4	YORK	YORK	2080107	YORK RIVER
050202	37 28 04	76 44 44	RET-4	YORK	YORK	2080107	YORK RIVER
050203	37 28 05	76 45 05	RET-4	YORK	YORK	2080107	YORK RIVER
05021	37 20 00	76 40 00	BFL	YORK	YORK	2080107	CARTER CREEK
05022	37 26 03	76 43 45	RET-4	YORK	YORK	2080107	TASKINAS CREEK
05023	37 25 02	76 42 29	RET-4	YORK	YORK	2080107	WARE CREEK
05024	37 24 01	76 41 15	LE-4	YORK	YORK	2080107	WARE CREEK
05025	37 23 00	76 40 03	LE-4	YORK	YORK	2080107	WARE CREEK
0503	37 22 00	76 40 20	BFL	YORK	YORK	2080107	SKIMINO CREEK
0504	37 22 00	76 40 33	BFL	YORK	YORK	2080107	SKIMINO CREEK
0505	37 22 00	76 40 50	BFL	YORK	YORK	2080107	SKIMINO CREEK
0506	37 22 01	76 41 01	BFL	YORK	YORK	2080107	SKIMINO CREEK
0507	37 22 01	76 41 22	BFL	YORK	YORK	2080107	SKIMINO CREEK
0508	37 22 01	76 41 28	BFL	YORK	YORK	2080107	SKIMINO CREEK
0509	37 21 01	76 41 42	BFL	YORK	YORK	2080107	SKIMINO CREEK
0511	37 14 00	76 30 46	BFL	YORK	YORK	2080107	YORK RIVER
05110	37 14 01	76 31 12	BFL	YORK	YORK	2080107	YORK RIVER
05111	37 14 01	76 31 01	BFL	YORK	YORK	2080107	YORK RIVER
05112	37 14 01	76 31 13	BFL	YORK	YORK	2080107	YORK RIVER
05112Z	37 14 01	76 31 16	BFL	YORK	YORK	2080107	YORK RIVER
05113	37 14 01	76 31 20	BFL	YORK	YORK	2080107	YORK RIVER
05113Z	37 14 01	76 31 23	BFL	YORK	YORK	2080107	YORK RIVER
05114	37 14 01	76 31 33	BFL	YORK	YORK	2080107	YORK RIVER
05114Z	37 14 01	76 31 32	BFL	YORK	YORK	2080107	YORK RIVER
05115	37 15 01	76 31 57	BFL	YORK	YORK	2080107	YORK RIVER
05116	37 15 02	76 32 03	BFL	YORK	YORK	2080107	YORK RIVER
05117	37 15 02	76 32 15	BFL	YORK	YORK	2080107	YORK RIVER
05118	37 15 02	76 32 24	BFL	YORK	YORK	2080107	YORK RIVER
05119	37 15 02	76 32 12	BFL	YORK	YORK	2080107	YORK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0512	37 14 00	76 30 57	BFL	YORK	YORK	2080107	YORK RIVER
05120	37 15 02	76 32 01	BFL	YORK	YORK	2080107	YORK RIVER
05121	37 16 03	76 33 26	BFL	YORK	YORK	2080107	INDIAN FIELD CREEK
05122	37 15 03	76 33 33	BFL	YORK	YORK	2080107	INDIAN FIELD CREEK
05123	37 16 04	76 34 20	BFL	YORK	YORK	2080107	YORK RIVER
05124	37 16 04	76 34 33	BFL	YORK	YORK	2080107	YORK RIVER
05125	37 16 04	76 34 48	BFL	YORK	YORK	2080107	YORK RIVER
05126	37 16 05	76 35 08	BFL	YORK	YORK	2080107	YORK RIVER
05127	37 16 05	76 35 08	BFL	YORK	YORK	2080107	KING CREEK
05128	37 16 05	76 35 13	BFL	YORK	YORK	2080107	KING CREEK
05129	37 16 05	76 35 23	BFL	YORK	YORK	2080107	KING CREEK
0513	37 14 01	76 31 05	BFL	YORK	YORK	2080107	YORK RIVER
05130	37 16 05	76 35 34	BFL	YORK	YORK	2080107	KING CREEK
05131	37 16 05	76 35 56	BFL	YORK	YORK	2080107	KING CREEK
05132	37 16 06	76 36 18	BFL	YORK	YORK	2080107	KING CREEK
05136	37 16 05	76 35 11	BFL	YORK	YORK	2080107	FELGATES CREEK
05137	37 16 05	76 35 09	BFL	YORK	YORK	2080107	FELGATES CREEK
05138	37 16 05	76 35 06	BFL	YORK	YORK	2080107	FELGATES CREEK
05139	37 15 04	76 34 52	BFL	YORK	YORK	2080107	FELGATES CREEK
0514	37 14 01	76 31 14	BFL	YORK	YORK	2080107	YORK RIVER
05140	37 15 04	76 34 37	BFL	YORK	YORK	2080107	FELGATES CREEK
05142	37 17 04	76 34 47	LE-4	YORK	YORK	2080107	YORK RIVER
05143	37 17 04	76 34 54	LE-4	YORK	YORK	2080107	YORK RIVER
05144	37 17 04	76 34 32	LE-4	YORK	YORK	2080107	YORK RIVER
05145	37 17 04	76 34 43	LE-4	YORK	YORK	2080107	YORK RIVER
05146	37 17 05	76 35 24	BFL	YORK	YORK	2080107	YORK RIVER
05147	37 18 05	76 35 48	LE-4	YORK	YORK	2080107	YORK RIVER
05148	37 17 06	76 36 08	BFL	YORK	YORK	2080107	YORK RIVER
05149	37 18 06	76 36 58	LE-4	YORK	YORK	2080107	YORK RIVER
0515	37 14 01	76 31 26	BFL	YORK	YORK	2080107	YORK RIVER
05150	37 17 07	76 37 29	BFL	YORK	YORK	2080107	QUEEN CREEK
05151	37 17 07	76 37 48	BFL	YORK	YORK	2080107	QUEEN CREEK
05152	37 17 08	76 38 17	BFL	YORK	YORK	2080107	QUEEN CREEK
05153	37 17 08	76 38 44	BFL	YORK	YORK	2080107	QUEEN CREEK
05154	37 17 09	76 39 03	BFL	YORK	YORK	2080107	QUEEN CREEK
05155	37 18 09	76 39 18	BFL	YORK	YORK	2080107	QUEEN CREEK
05157	37 17 09	76 39 50	BFL	YORK	YORK	2080107	QUEEN CREEK
05159	37 17 00	76 40 33	BFL	YORK	YORK	2080107	QUEEN CREEK
0516	37 15 01	76 31 34	LE-4	YORK	YORK	2080107	YORK RIVER
0517	37 14 01	76 31 40	BFL	YORK	YORK	2080107	YORK RIVER
0518	37 14 01	76 31 25	BFL	YORK	YORK	2080107	YORK RIVER
0519	37 14 01	76 31 19	BFL	YORK	YORK	2080107	YORK RIVER
0520.5	37 14 00	76 30 18	BFL	YORK	YORK	2080107	YORK RIVER
0521	37 14 09	76 29 58	LE-4	YORK	YORK	2080107	YORK RIVER
05210	37 13 06	76 26 53	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
05210A	37 13 07	76 27 05	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
05211	37 13 07	76 27 25	LE-4	YORK	YORK	2080107	YORK RIVER
05211A	37 13 07	76 27 41	LE-4	YORK	YORK	2080107	YORK RIVER
05212	37 13 07	76 27 52	LE-4	YORK	YORK	2080107	YORK RIVER
05212A	37 13 08	76 28 07	LE-4	YORK	YORK	2080107	YORK RIVER
05212B	37 13 08	76 28 08	LE-4	YORK	YORK	2080107	YORK RIVER
05212C	37 12 08	76 28 27	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	WORMLEY CREEK
05212D	37 12 08	76 28 07	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	WORMLEY CREEK
05212E	37 12 08	76 28 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	WORMLEY CREEK
05212F	37 12 08	76 28 06	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	WORMLEY CREEK
05213	37 13 08	76 28 18	LE-4	YORK	YORK	2080107	YORK RIVER
05213A	37 13 08	76 28 41	BFL	YORK	YORK	2080107	YORK RIVER
05213B	37 13 08	76 28 26	LE-4	YORK	YORK	2080107	YORK RIVER
05214	37 13 08	76 28 56	BFL	YORK	YORK	2080107	YORK RIVER
05215	37 13 09	76 29 21	BFL	YORK	YORK	2080107	YORK RIVER
05216	37 14 09	76 29 47	LE-4	YORK	YORK	2080107	YORK RIVER
05216A	37 14 00	76 30 16	BFL	YORK	YORK	2080107	YORK RIVER
0521A	37 14 00	76 30 26	BFL	YORK	YORK	2080107	YORK RIVER
0522	37 13 09	76 29 27	BFL	YORK	YORK	2080107	YORK RIVER
0523	37 13 09	76 29 02	BFL	YORK	YORK	2080107	YORK RIVER
0524	37 13 08	76 28 22	LE-4	YORK	YORK	2080107	YORK RIVER
0525	37 13 07	76 27 55	LE-4	YORK	YORK	2080107	YORK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0526	37 13 07	76 27 26	LE-4	YORK	YORK	2080107	YORK RIVER
0527	37 13 06	76 26 52	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0528	37 13 06	76 26 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0528A	37 13 05	76 25 37	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0528B	37 13 05	76 25 04	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
0529	37 13 06	76 26 15	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0529A	37 13 06	76 26 30	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0529B	37 13 05	76 25 55	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0529C	37 13 05	76 25 34	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0529D	37 13 05	76 25 21	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
0529E	37 13 05	76 25 07	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
0531	37 10 03	76 23 35	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05310	37 10 05	76 25 47	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05311	37 10 05	76 25 59	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05312	37 10 06	76 26 15	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05313	37 10 06	76 26 28	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05314	37 10 06	76 26 43	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05315	37 10 04	76 24 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05316	37 10 04	76 24 10	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05317	37 09 04	76 24 21	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05318	37 09 04	76 24 37	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05319	37 09 04	76 24 52	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0531A	37 10 03	76 23 45	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0532	37 10 04	76 24 04	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05320	37 09 05	76 25 17	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05321	37 09 05	76 25 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05322	37 09 05	76 25 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05323	37 09 05	76 25 55	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05323.3	37 09 05	76 25 57	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05324	37 09 05	76 25 29	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05325	37 08 05	76 25 30	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05326	37 08 05	76 25 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05327	37 08 05	76 25 42	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05328	37 08 05	76 25 43	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05329	37 08 05	76 25 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
0533	37 10 04	76 24 17	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05330	37 08 06	76 26 02	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05331	37 08 06	76 26 20	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05332	37 08 04	76 24 43	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05333	37 08 04	76 24 46	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05334	37 08 04	76 24 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05335	37 09 03	76 23 42	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05336	37 09 03	76 23 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05337	37 09 03	76 23 06	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05338	37 09 02	76 22 29	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05339	37 09 02	76 22 48	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0534	37 10 04	76 24 01	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05340	37 08 02	76 22 56	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05341	37 09 02	76 22 26	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05342	37 08 02	76 22 24	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05343	37 08 02	76 22 25	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05344	37 08 02	76 22 35	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05344.1	37 08 02	76 22 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05344.22	37 08 02	76 22 43	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05344.5	37 08 03	76 23 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05345	37 08 02	76 22 15	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05346	37 08 02	76 22 07	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05346.5	37 08 02	76 22 02	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05347	37 08 01	76 21 56	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05347.5	37 08 01	76 21 51	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05348	37 09 02	76 22 08	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05349	37 09 01	76 21 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
0535	37 10 04	76 24 32	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
05350	37 09 01	76 21 43	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05351	37 09 01	76 21 31	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05352	37 09 01	76 21 20	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05353	37 09 01	76 21 32	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
05354	37 12 04	76 24 42	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	THE THOROFARE
05355	37 12 04	76 24 57	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	THE THOROFARE
05356	37 12 04	76 24 33	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	THE THOROFARE
05357	37 12 04	76 24 58	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05358	37 12 04	76 24 50	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05359	37 12 05	76 25 04	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
0536	37 10 04	76 24 47	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	POQUOSON RIVER
05360	37 12 05	76 25 28	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05361	37 12 05	76 25 45	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK CREEK
05362	37 12 06	76 26 03	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05363	37 12 06	76 26 18	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05364	37 12 06	76 26 26	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05365	37 12 06	76 26 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK CREEK
05366	37 13 05	76 25 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	THE THOROFARE
0537	37 11 05	76 25 07	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0538	37 11 05	76 25 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0539	37 11 05	76 25 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	POQUOSON RIVER
0541	37 06 07	76 17 18	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05410	37 05 00	76 20 27	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05410A	37 05 00	76 20 36	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05410Z	37 05 00	76 20 32	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05411	37 05 00	76 20 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05411Z	37 05 00	76 20 54	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05412	37 06 00	76 20 56	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05412Z	37 06 01	76 21 08	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05413	37 06 00	76 20 57	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05414	37 06 01	76 21 07	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05414A	37 06 00	76 20 58	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05415	37 06 01	76 21 20	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05415A	37 06 01	76 21 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05415B	37 06 01	76 21 06	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05415Z	37 06 01	76 21 32	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05416	37 06 01	76 21 38	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417	37 06 01	76 21 51	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.1	37 06 02	76 22 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.2	37 06 02	76 22 24	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.2A	37 06 02	76 22 19	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.4	37 06 02	76 22 37	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.5	37 06 02	76 22 52	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.6	37 06 03	76 23 05	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.7	37 06 03	76 23 40	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.8	37 05 04	76 24 01	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417.9	37 05 04	76 24 29	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05417A	37 06 01	76 21 42	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05418	37 05 09	76 19 55	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05418.5	37 05 00	76 20 01	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05418Z	37 05 09	76 19 43	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05419	37 05 09	76 19 56	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05419A	37 05 00	76 20 04	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05419Z	37 05 09	76 19 49	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0542	37 06 07	76 17 47	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05420	37 05 00	76 20 08	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05420A	37 05 00	76 20 21	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05420Z	37 05 09	76 19 47	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05421	37 04 00	76 20 17	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05421Y	37 04 09	76 19 50	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05421Z	37 04 00	76 20 04	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05422	37 04 00	76 20 23	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05423	37 04 00	76 20 35	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05424	37 04 00	76 20 51	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05425	37 05 08	76 18 51	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05426	37 05 08	76 18 34	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05426A	37 05 08	76 18 45	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05427	37 05 08	76 18 32	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
05428	37 05 08	76 18 22	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05429	37 05 08	76 18 23	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0543	37 06 08	76 18 09	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
05430	37 04 08	76 18 19	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05431	37 04 08	76 18 13	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05432	37 06 07	76 17 39	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05432.5Z	37 05 07	76 17 33	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433	37 06 07	76 17 51	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433V	37 05 07	76 17 38	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433W	37 05 07	76 17 43	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433X	37 05 07	76 17 45	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433Y	37 05 07	76 17 42	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05433Z	37 06 07	76 17 44	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05434	37 06 08	76 18 02	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05434X	37 05 07	76 17 52	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05434Y	37 05 07	76 17 55	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05434Z	37 05 08	76 18 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05435	37 05 08	76 18 22	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05436	37 05 07	76 17 19	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05437	37 05 06	76 16 57	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05438	37 05 06	76 16 51	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05439	37 05 06	76 16 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0544	37 06 08	76 18 32	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05440	37 05 06	76 16 41	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05441	37 04 06	76 16 56	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05442	37 04 06	76 16 46	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05443	37 04 06	76 16 46	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
05444	37 04 07	76 17 06	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0545	37 06 08	76 18 59	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0545A	37 06 09	76 19 03	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0545B	37 06 09	76 19 09	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0546	37 06 09	76 19 14	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0546A	37 06 09	76 19 22	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0546B	37 06 09	76 19 28	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0547	37 06 09	76 19 40	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0547.1A	37 06 09	76 19 43	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0547A	37 06 09	76 19 50	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0547B	37 06 09	76 19 53	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0547Z	37 05 09	76 19 30	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BACK RIVER
0548	37 05 09	76 19 51	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0548A	37 06 00	76 20 08	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0548B	37 06 09	76 19 59	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0548C	37 06 00	76 20 07	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0548D	37 06 00	76 20 13	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0549	37 05 00	76 20 15	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0549A	37 05 00	76 20 23	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
0549B	37 06 00	76 20 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BACK RIVER
055-A19	37 03 06	76 16 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-B18	37 03 06	76 16 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-D18	37 04 06	76 16 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-G17	37 05 06	76 16 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-J15	37 05 5	76 15 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-M18	37 06 06	76 16 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055-N20	37 06 07	76 17 10	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	CHESAPEAKE BAY
055B14	37 03 05	76 15 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055B19	37 03 06	76 16 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055B3	37 03 01	76 11 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055B7	37 03 02	76 12 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055E21	37 02 07	76 17 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055F21	37 02 07	76 17 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055J22	37 01 07	76 17 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055M21	37 00 07	76 17 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055N23	37 00 08	76 18 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055O19	36 59 06	76 16 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
055O23	36 59 08	76 18 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
056G29	37 01 00	76 20 10	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON CREEK
056K30	37 00 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON CREEK
056N29	37 00 00	76 20 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056O26	36 59 09	76 19 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056O30	36 59 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
056O31	36 59 00	76 20 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056O32	36 59 01	76 21 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056P30	36 59 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056P33	36 59 01	76 21 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056Q31	36 59 00	76 20 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056Q32	36 59 01	76 21 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056R32	36 59 01	76 21 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056R33	36 59 01	76 21 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056R35	36 59 02	76 22 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056S32	36 58 01	76 21 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056S33	36 58 01	76 21 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056S35	36 58 02	76 22 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056S40	36 58 03	76 23 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056T33	36 58 01	76 21 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056T35	36 58 02	76 22 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056V35	36 58 02	76 22 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
056V40	36 58 03	76 23 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
057B61	37 03 00	76 30 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057C59	37 02 00	76 30 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057E57	37 02 09	76 29 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057E61	37 02 00	76 30 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057F58	37 02 09	76 29 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057H53	37 01 08	76 28 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057I54	37 01 08	76 28 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057J59	37 01 00	76 30 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057K51	37 00 07	76 27 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057O50	36 59 07	76 27 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057P55	36 59 08	76 28 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057S49	36 58 06	76 26 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057W51	36 57 07	76 27 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
057Y49	36 57 06	76 26 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-A65	37 03 02	76 32 04	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-B64	37 03 01	76 31 58	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-B65	37 03 02	76 32 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-C67	37 04 02	76 32 51	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-D71	37 04 40	76 34 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-E70	37 04 03	76 33 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-G74	37 05 50	76 35 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-H73	37 05 04	76 34 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-J77	37 05 06	76 36 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-K76	37 06 05	76 35 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-M80	37 06 07	76 37 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-N79	37 06 06	76 36 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-O83	37 07 08	76 38 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058-P82	37 07 70	76 37 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0580.5	37 03 02	76 32 11	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0580.5A	37 03 01	76 31 38	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0580.5Y	37 04 03	76 33 03	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0580.5Z	37 04 02	76 32 34	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0581	37 04 02	76 32 15	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0581.5A	37 04 01	76 31 43	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05810	37 06 03	76 33 31	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05811	37 06 03	76 33 37	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05812	37 06 03	76 33 52	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813	37 06 03	76 33 50	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813A	37 06 03	76 33 32	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813B	37 07 03	76 33 22	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813C	37 07 03	76 33 07	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813E	37 06 02	76 32 04	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05813F	37 07 01	76 31 33	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05814	37 06 04	76 34 04	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05815	37 07 04	76 34 09	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05817	37 07 04	76 34 22	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05819	37 08 04	76 34 55	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0581A	37 03 01	76 31 43	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0581Z	37 04 02	76 32 46	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0582.5	37 04 01	76 31 42	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
05821	37 08 04	76 34 42	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05822	37 08 04	76 34 07	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05822A	37 08 03	76 33 52	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05822B	37 08 03	76 33 43	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
05823	37 08 03	76 33 59	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0582A	37 04 01	76 31 43	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0583	37 04 01	76 31 33	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0584	37 05 01	76 31 27	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0585	37 04 02	76 32 32	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0585A	37 04 02	76 32 08	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0586	37 04 02	76 32 56	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0586A	37 05 02	76 32 27	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0586Z	37 04 02	76 32 56	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0587	37 05 02	76 32 56	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0587A	37 05 02	76 32 40	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0587Z	37 05 03	76 33 05	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0588	37 05 03	76 33 04	LE-5	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0589	37 05 03	76 33 17	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
0589Z	37 05 03	76 33 17	BFL	JAMES	LOWER JAMES	2080206	WARWICK RIVER
058A62	37 03 01	76 31 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058A69	37 03 30	76 33 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
058C65	37 02 20	76 32 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
059-R83	37 07 08	76 38 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
059-V83	37 08 80	76 38 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-G84	37 05 08	76 38 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-J86	37 05 09	76 39 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-L82	37 06 07	76 37 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-N86	37 06 09	76 39 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-S85	37 08 80	76 38 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-V85	37 08 80	76 38 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-V87	37 08 09	76 39 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
060-X87	37 09 90	76 39 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-0.5	37 00 03	76 33 57	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-0.5Z	37 00 03	76 33 55	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-1	37 00 03	76 33 24	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-1Y	37 00 03	76 33 27	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-1Z	37 00 03	76 33 23	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-2	37 00 03	76 33 02	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-3	37 00 02	76 32 27	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-B87	37 03 09	76 39 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-C77	37 04 06	76 36 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-C82	37 04 07	76 37 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061-G79	37 05 06	76 36 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0611	37 00 04	76 34 19	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
06110	36 59 07	76 37 03	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06111	36 59 07	76 37 27	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06112	36 59 07	76 37 17	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06113	36 58 07	76 37 16	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06114	36 59 04	76 34 46	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06115	36 59 03	76 33 50	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06116	36 59 03	76 33 54	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06117	36 59 04	76 34 05	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06118	36 58 04	76 34 07	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06119	36 58 03	76 33 55	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0611A	37 00 04	76 34 18	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0611B	37 00 04	76 34 28	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0611Y	37 00 04	76 34 10	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0611Z	37 00 04	76 34 15	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0612	37 00 04	76 34 28	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06120	36 58 03	76 33 50	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06121	36 58 04	76 34 14	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06122	36 58 04	76 34 28	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
06123	36 57 04	76 34 17	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0612A	37 00 04	76 34 35	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0612B	37 00 04	76 34 46	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0612Z	37 00 04	76 34 19	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0613	36 59 04	76 34 32	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0613A	37 00 04	76 34 40	LE-5	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0613B	37 00 04	76 34 53	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0614	36 59 04	76 34 45	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0615	36 59 05	76 35 07	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0616	36 59 05	76 35 31	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0617	36 59 05	76 35 55	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0618	36 59 06	76 36 17	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
0619	36 59 06	76 36 40	BFL	JAMES	LOWER JAMES	2080206	PAGAN RIVER
061A	37 01 04	76 34 00	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061B	37 00 03	76 33 40	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061C	37 00 02	76 32 58	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061D	37 00 02	76 32 37	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061D74	37 02 05	76 35 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061E	36 59 02	76 32 17	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
061F	37 00 01	76 31 56	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061F69	37 02 03	76 33 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061G	37 00 02	76 32 17	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061H	37 00 02	76 32 39	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061I	37 00 02	76 32 55	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061J	37 01 03	76 33 17	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061K	37 01 03	76 33 37	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
061K65	37 00 02	76 32 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0621	36 56 08	76 28 59	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
06210	36 54 01	76 31 29	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06211	36 53 [illegible]	76 31 52	BFL	JAMES	HAMPTON ROADS	2080208	CHUCKATUCK CREEK
06212	36 53 02	76 32 23	BFL	JAMES	HAMPTON ROADS	2080208	CHUCKATUCK CREEK
06213	36 53 02	76 32 43	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06214	36 58 01	76 31 31	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06215	36 58 01	76 31 29	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06216	36 58 01	76 31 40	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06217	36 58 01	76 31 43	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
06218	36 58 01	76 31 35	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0622	36 56 09	76 29 24	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0622A	36 56 09	76 29 46	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0622B	36 56 09	76 29 58	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0623	36 55 09	76 29 32	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0624	36 55 09	76 29 42	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0625	36 55 09	76 29 53	LE-5	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0626	36 54 00	76 30 09	BFL	JAMES	HAMPTON ROADS	2080208	CHUCKATUCK CREEK
0627	36 54 00	76 30 29	BFL	JAMES	HAMPTON ROADS	2080208	CHUCKATUCK CREEK
0628	36 54 00	76 30 53	BFL	JAMES	HAMPTON ROADS	2080208	CHUCKATUCK CREEK
0629	36 54 01	76 31 15	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0629.1A	36 54 01	76 31 35	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0629.1B	36 54 01	76 31 56	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
0629.1C	36 54 02	76 32 23	BFL	JAMES	LOWER JAMES	2080206	CHUCKATUCK CREEK
062AA52	36 56 07	76 27 50	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
062O62	36 59 01	76 31 10	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
062S54	36 58 08	76 28 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
062T57	36 58 09	76 29 30	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0630.0	36 54 06	76 26 44	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
0630.4Z	36 54 06	76 26 04	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
0630.5	36 54 07	76 27 07	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0630.5Z	36 54 06	76 26 48	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
0631	36 54 07	76 27 31	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
0631.5V	36 52 07	76 27 23	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0631.5W	36 52 07	76 27 28	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0631.5X	36 52 07	76 27 33	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0631.5Y	36 52 07	76 27 18	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0631.5Z	36 53 07	76 27 27	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06310	36 50 02	76 32 22	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06311	36 50 02	76 32 54	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06312	36 50 03	76 33 21	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06313	36 49 03	76 33 37	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06314	36 49 03	76 33 39	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06315	36 49 03	76 33 20	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06316	36 48 03	76 33 20	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06317	36 47 03	76 33 43	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
06318	36 46 02	76 32 50	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06319	36 46 03	76 33 26	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0631A	36 54 08	76 28 43	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0631Z	36 54 07	76 27 12	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0632	36 53 07	76 27 23	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0632.2Y	36 52 08	76 28 37	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632.2Z	36 53 08	76 28 43	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0632.4V	36 51 08	76 28 49	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632.4W	36 52 09	76 29 04	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632.4X	36 52 09	76 29 00	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632.4Y	36 52 08	76 28 52	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632.4Z	36 53 08	76 28 51	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
06320	36 45 03	76 33 46	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06321	36 45 04	76 34 43	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06322	36 44 04	76 34 24	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06322A	36 44 04	76 34 31	BFL	JAMES	HAMPTON ROADS	2080206	NANSEMOND RIVER
06322B	36 44 04	76 34 37	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
06323	36 44 05	76 35 16	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0632A	36 53 08	76 28 48	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0632Z	36 53 08	76 28 13	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0633	36 53 09	76 29 47	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0634	36 52 00	76 30 17	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0635	36 52 00	76 30 47	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0636	36 51 01	76 31 17	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0637	36 51 01	76 31 32	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIVER
0638	36 50 01	76 31 37	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
0639	36 50 02	76 32 01	BFL	JAMES	HAMPTON ROADS	2080208	NANSEMOND RIVER
064BB30	36 56 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064BB47	36 56 06	76 26 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064DD34	36 56 01	76 21 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064EE30	36 55 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064EE44	36 55 05	76 25 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064FF36	36 55 02	76 22 30	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
064FF40	36 55 03	76 23 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064HH30	36 55 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064HH38	36 55 03	76 23 10	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
064HH41	36 55 04	76 24 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064HH43	36 55 04	76 24 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064HH46	36 55 05	76 25 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064II49	36 54 06	76 26 50	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
064JJ47	36 54 06	76 26 10	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
064KK30	36 54 00	76 20 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064KK43	36 54 04	76 24 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064KK45	36 54 05	76 25 30	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
064LL44	36 54 05	76 25 10	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
064MM42	36 53 04	76 24 30	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON ROADS
066Q28	36 59 09	76 19 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
066R24	36 59 08	76 18 30	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
066T28	36 58 09	76 19 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
066W28	36 57 09	76 19 50	LE-5	JAMES	LOWER JAMES	2080206	HAMPTON ROADS
066X20	36 57 07	76 17 10	LE-5	JAMES	LOWER JAMES	2080206	WILLOUGHBY BAY
066X22	36 57 07	76 17 50	LE-5	JAMES	LOWER JAMES	2080206	WILLOUGHBY BAY
067AA1	36 56 00	76 10 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067AA10	36 56 03	76 13 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067AA12	36 56 04	76 14 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067AA4	36 57 02	76 12 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067AA8	36 56 03	76 13 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067BB10	36 56 03	76 13 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067BB7	36 56 02	76 12 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067CC9	36 56 03	76 13 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067DD6	36 56 02	76 12 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067DD7	36 56 02	76 12 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067O9	36 59 03	76 13 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067P21	36 59 07	76 17 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Q21	36 59 07	76 17 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Q22	36 59 07	76 17 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067R19	36 59 06	76 16 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
067R8	36 59 03	76 13 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067S20	36 58 07	76 17 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
067S22	36 58 07	76 17 50	LE-5	JAMES	LOWER JAMES	2080206	CHESAPEAKE BAY
067T12	36 58 04	76 14 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067T4	36 58 01	76 11 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067U16	36 58 05	76 15 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067U18	36 58 06	76 16 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067U20	36 58 07	76 17 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
067U22	36 58 07	76 17 50	LE-5	JAMES	LOWER JAMES	2080206	CHESAPEAKE BAY
067U4	36 58 01	76 11 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067U7	36 58 02	76 12 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067V14	36 58 05	76 15 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067V16	36 58 05	76 15 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067V20	36 58 07	76 17 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
067V9	36 58 03	76 13 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067W15	36 57 05	76 15 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067W17	36 57 06	76 16 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
067W6	36 57 02	76 12 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067X12	36 57 04	76 14 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067X14	36 57 05	76 15 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067X15	36 57 05	76 15 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067X5	36 57 02	76 12 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Y12	36 57 04	76 14 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Y13	36 57 04	76 14 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067Y14	36 57 05	76 15 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
067Y5	36 57 02	76 12 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Z10	36 57 03	76 13 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
067Z11	36 57 04	76 14 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
068CC0	36 56 00	76 10 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
068DD1	36 56 00	76 10 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
068EE-1	36 55 00	76 10 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
068EE3	36 55 01	76 11 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
068GG0	36 55 00	76 10 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LITTLE CREEK
069AA13	36 56 04	76 14 50	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069BB-2	36 56 01	76 11 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
069CC-6	36 56 02	76 12 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069DD-8	36 56 03	76 13 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069DD-9	36 56 03	76 13 30	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069EE-13	36 55 04	76 14 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
069FF-5	36 55 02	76 12 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069GG-8	36 55 03	76 13 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069HH-12	36 55 04	76 14 30	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
069HH-8	36 55 03	76 13 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CHESAPEAKE BAY
069II-10	36 54 03	76 13 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
069JJ-13	36 54 04	76 14 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
069V0	36 58 00	76 10 30	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
069W-4	36 57 01	76 11 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
069X-7	36 57 02	76 12 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
069Y-11	36 57 04	76 14 10	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESAPEAKE BAY
0701	36 54 05	76 05 32	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07010	36 52 06	76 06 38	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07011	36 52 06	76 06 54	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07012	36 52 06	76 06 36	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07013	36 52 06	76 06 37	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07014	36 52 06	76 06 29	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07014.2	36 52 06	76 06 40	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07014.4	36 51 06	76 06 58	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07014A	36 52 06	76 06 22	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07015	36 53 05	76 05 13	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07016	36 53 04	76 04 51	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07017	36 53 04	76 04 26	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07018	36 53 04	76 04 17	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07019	36 53 04	76 04 4	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0702	36 54 05	76 05 44	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0702.5	36 54 05	76 05 53	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07020	36 53 04	76 04 12	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07021	36 53 04	76 04 20	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
07022	36 53 03	76 03 58	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07023	36 53 03	76 03 52	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07024	36 52 04	76 04 07	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07024.9	36 52 03	76 03 51	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07024.9Z	36 52 03	76 03 39	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07025	36 52 04	76 04 22	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
07026	36 51 04	76 04 10	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
07027	36 51 03	76 03 58	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0702X	36 53 05	76 05 12	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0702Y	36 54 05	76 05 09	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0702Z	36 54 05	76 05 19	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
0703	36 53 05	76 05 37	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704	36 53 05	76 05 46	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.3	36 53 05	76 05 38	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.4	36 53 05	76 05 27	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.6	36 53 05	76 05 11	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.6A	36 53 05	76 05 18	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.6B	36 53 05	76 05 25	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0704.9	36 53 04	76 04 41	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0705	36 53 06	76 06 01	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0706	36 53 06	76 06 06	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0707	36 53 06	76 06 07	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LYNNHAVEN BAY
0708	36 53 06	76 06 28	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
0709	36 53 06	76 06 36	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNNHAVEN BAY
0711	36 54 05	76 05 04	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0711.6	36 54 04	76 04 18	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07110	36 52 00	76 00 51	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07111	36 51 00	76 00 39	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07112	36 51 00	76 00 25	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07113	36 52 00	76 00 18	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07114	36 52 00	76 00 0	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
07115	36 51 09	75 59 48	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0712	36 54 03	76 03 41	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0713	36 54 02	76 02 55	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714	36 53 02	76 02 13	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714A	36 53 02	76 02 24	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714B	36 53 02	76 02 35	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714C	36 53 02	76 02 24	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714Y	36 54 02	76 02 16	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0714Z	36 54 02	76 02 01	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0715	36 53 01	76 01 38	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LONG CREEK AND BROAD BAY
0716	36 53 01	76 01 07	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
0717	36 53 00	76 00 46	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINGHORN BAY
0717A	36 53 00	76 00 33	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
0717B	36 52 09	75 59 51	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
0717C	36 52 09	75 59 36	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
0718	36 52 00	76 00 42	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
0719	36 52 00	76 00 38	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY
072AA-23	36 56 08	76 18 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072CC-19	36 56 06	76 16 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072DD-16	36 56 05	76 15 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072DD-23	36 56 08	76 18 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072GG-17	36 55 06	76 16 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072GG-18	36 55 06	76 16 30	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072HH-17	36 55 06	76 16 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072HH-21	36 55 07	76 17 30	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072II-18	36 54 06	76 16 30	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072JJ-16	36 54 05	76 15 50	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
072Y-17	36 57 06	76 16 10	BFL	JAMES	HAMPTON ROADS	2080208	CHESAPEAKE BAY
075A2	37 55 04	75 44 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075B1	37 54 04	75 44 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075C2	37 55 04	75 44 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075C3	37 55 04	75 44 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075C7	37 56 04	75 44 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075D2	37 55 03	75 43 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075D4	37 55 03	75 43 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075D7	37 56 03	75 43 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
075E5	37 55 03	75 43 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075E6	37 56 03	75 43 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075E7	37 56 03	75 43 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075F7	37 56 03	75 43 10	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075H7	37 56 02	75 42 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075I5	37 55 02	75 42 10	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075I6	37 56 02	75 42 10	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075J6	37 56 01	75 41 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND AND RIVER
075L7	37 56 01	75 41 10	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075N9	37 56 00	75 40 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075O8	37 56 00	75 40 10	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075P7	37 56 09	75 39 50	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075P8	37 56 09	75 39 50	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075Q8	37 56 09	75 39 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075R7	37 56 09	75 39 10	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075S12	37 57 08	75 38 50	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075S13	37 57 08	75 38 50	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075S7	37 56 08	75 38 50	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075T11	37 57 08	75 38 30	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075T13	37 57 08	75 38 30	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075T15	37 58 08	75 38 35	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075T6	37 56 08	75 38 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075T8	37 56 08	75 38 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075U13	37 57 08	75 38 15	ET-10	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075U16	37 58 08	75 38 05	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075U17	37 58 08	75 38 05	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075U18	37 59 08	75 38 05	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075U6	37 56 08	75 38 10	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075V16	37 58 07	75 37 50	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075V17	37 58 07	75 37 50	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075V19	37 59 07	75 37 50	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075W17	37 58 07	75 37 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
075W20	37 59 07	75 37 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POCOMOKE SOUND AND RIVER
0791	37 45 07	75 47 58	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
07910	37 44 05	75 45 38	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0791A	37 44 08	75 48 16	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0792	37 45 07	75 47 26	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0793	37 45 07	75 47 01	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0794	37 45 06	75 46 38	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
0794Y	37 46 06	75 46 17	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
0794Z	37 45 06	75 46 27	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
0795	37 45 06	75 46 36	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
0796	37 45 06	75 46 19	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CHESCONESSEX CREEK
0797	37 44 06	75 46 11	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0798	37 44 06	75 46 01	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0799	37 44 05	75 45 51	BFL	EASTERN SHORE	POCOMOKE	2060009	CHESCONESSEX CREEK
0801	37 43 09	75 49 40	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	ONANCOCK CREEK
08010	37 42 05	75 45 58	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
08011	37 42 05	75 45 33	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
08011A	37 42 05	75 45 33	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
08011Z	37 42 05	75 45 24	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
08012	37 42 00	75 50 16	BFL	EASTERN SHORE	POCOMOKE	2060009	MATCHOTANK CREEK
08013	37 42 09	75 49 50	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MATCHOTANK CREEK
08014	37 42 09	75 49 31	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MATCHOTANK CREEK
0802	37 43 08	75 48 56	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0803	37 43 08	75 48 26	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	ONANCOCK CREEK
0804	37 43 08	75 48 26	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	ONANCOCK CREEK
0804A	37 42 07	75 47 55	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0804B	37 43 08	75 48 09	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0804C	37 42 08	75 48 32	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0804D	37 43 08	75 48 39	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	ONANCOCK CREEK
0805	37 43 07	75 47 46	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0806	37 43 07	75 47 23	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0807	37 43 06	75 46 56	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	ONANCOCK CREEK
0807Z	37 43 06	75 46 36	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0808	37 42 06	75 46 39	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0809	37 42 06	75 46 16	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK

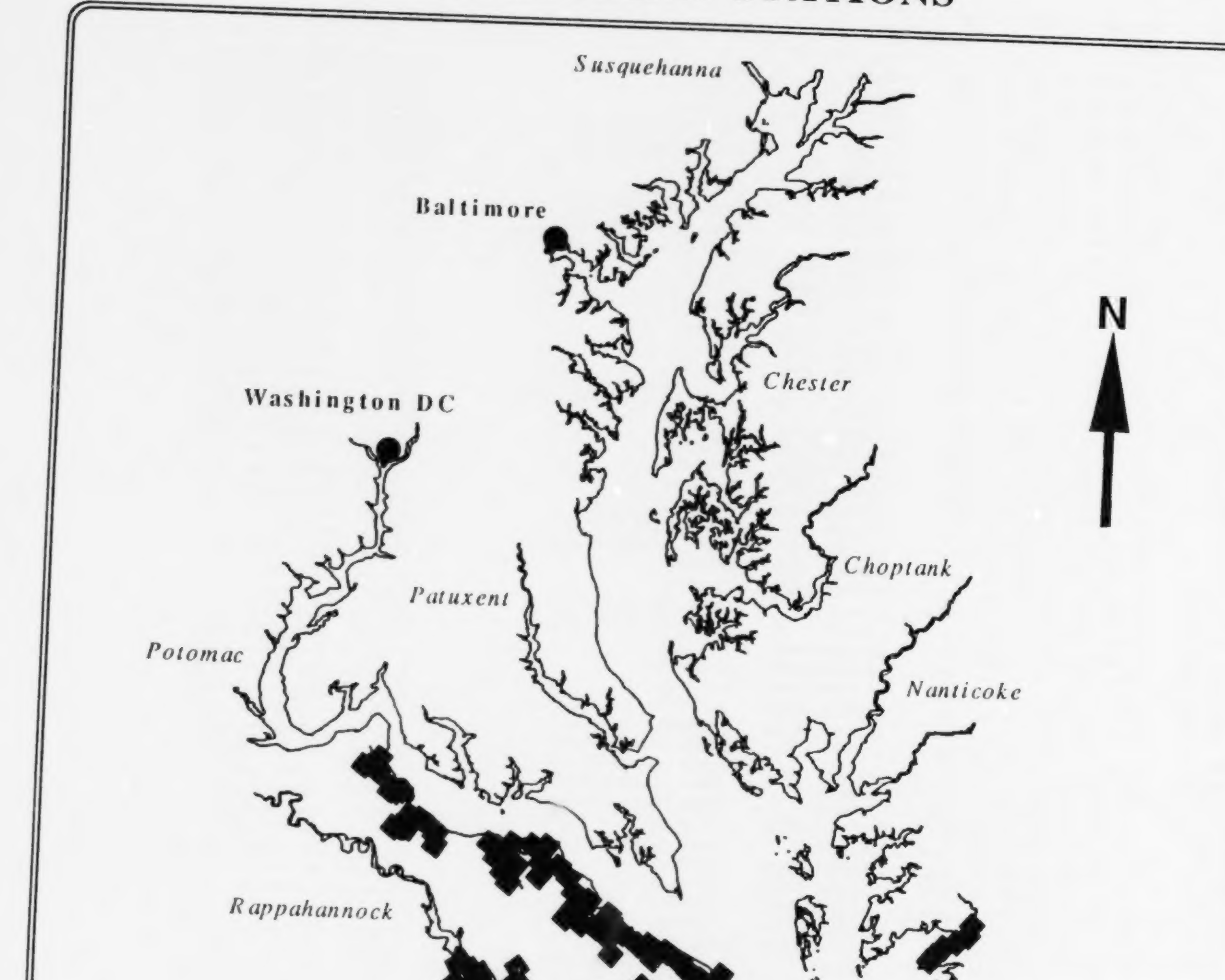
VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0809A	37 42 06	75 46 14	BFL	EASTERN SHORE	POCOMOKE	2060009	ONANCOCK CREEK
0811	37 40 01	75 51 13	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	PUNGOTEAGUE CREEK
08110	37 39 08	75 48 16	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
08111	37 40 08	75 48 01	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	PUNGOTEAGUE CREEK
08112	37 40 07	75 47 53	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
08113	37 39 02	75 52 54	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0812	37 40 00	75 50 55	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0813	37 40 00	75 50 29	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0814	37 40 00	75 50 09	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0814Z	37 40 09	75 49 54	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	PUNGOTEAGUE CREEK
0815	37 40 09	75 49 50	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	PUNGOTEAGUE CREEK
0816	37 39 09	75 49 40	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0816.5A	37 39 09	75 49 38	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0816.5B	37 39 09	75 49 41	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0817	37 39 09	75 49 19	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	PUNGOTEAGUE CREEK
0818	37 39 08	75 48 52	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0819	37 39 08	75 48 31	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0819A	37 39 08	75 48 15	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0819B	37 39 08	75 48 07	BFL	EASTERN SHORE	POCOMOKE	2060009	PUNGOTEAGUE CREEK
0821	37 37 03	75 53 33	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
08210	37 37 00	75 50 39	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
08211	37 38 00	75 50 16	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
08212	37 38 09	75 49 58	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0821Y	37 38 02	75 52 01	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0821Z	37 37 03	75 53 10	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0822	37 37 03	75 53 30	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0823	37 36 03	75 53 37	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0824	37 36 02	75 52 54	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0824A	37 36 02	75 52 44	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0824B	37 36 02	75 52 30	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0824C	37 36 02	75 52 23	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0825	37 37 02	75 52 54	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0826	37 37 02	75 52 10	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0826A	37 37 02	75 52 07	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NANDUA CREEK
0826B	37 37 01	75 51 55	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0827	37 37 01	75 51 38	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0828	37 37 01	75 51 14	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0829	37 37 00	75 50 55	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0829A	37 37 00	75 50 39	BFL	EASTERN SHORE	POCOMOKE	2060009	NANDUA CREEK
0831	37 35 05	75 55 51	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CRADDOCK CREEK
0832	37 35 05	75 55 27	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CRADDOCK CREEK
0833	37 35 05	75 55 04	BFL	EASTERN SHORE	POCOMOKE	2060009	CRADDOCK CREEK
0833Y	37 35 04	75 54 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CRADDOCK CREEK
0833Z	37 35 04	75 54 51	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CRADDOCK CREEK
0834	37 35 04	75 54 48	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CRADDOCK CREEK
0835	37 34 04	75 54 37	BFL	EASTERN SHORE	POCOMOKE	2060009	CRADDOCK CREEK
0836	37 34 04	75 54 24	BFL	EASTERN SHORE	POCOMOKE	2060009	CRADDOCK CREEK
0837	37 34 04	75 54 03	BFL	EASTERN SHORE	POCOMOKE	2060009	CRADDOCK CREEK
0838	37 34 03	75 53 40	BFL	EASTERN SHORE	POCOMOKE	2060009	CRADDOCK CREEK
0841	37 33 06	75 56 15	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK
08410	37 33 02	75 52 02	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK
08411	37 33 01	75 51 27	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
08412	37 33 00	75 50 56	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
08413	37 33 00	75 50 30	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
08414	37 33 00	75 50 22	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
08415	37 33 00	75 50 04	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
08416	37 34 09	75 49 55	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0841A	37 32 06	75 56 11	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0842	37 33 05	75 55 40	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0842.2Z	37 33 05	75 55 31	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0843	37 33 05	75 55 19	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK
0844	37 33 04	75 54 39	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK
0845	37 33 04	75 54 10	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0846	37 33 03	75 53 46	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0847	37 33 03	75 53 25	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK
0848	37 32 03	75 53 01	BFL	EASTERN SHORE	POCOMOKE	2060009	OCCOHANNOCK CREEK
0849	37 33 02	75 52 40	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	OCCOHANNOCK CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
0851	37 28 07	75 57 43	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08510	37 29 05	75 55 09	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08511	37 29 04	75 54 52	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08512	37 29 04	75 54 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08513	37 30 04	75 54 11	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08513A	37 29 03	75 53 58	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08513B	37 29 03	75 53 38	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08514	37 30 04	75 54 20	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08515	37 30 04	75 54 20	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08516	37 31 04	75 54 05	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
08517	37 31 03	75 53 44	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08518	37 31 03	75 53 36	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
08519	37 31 03	75 53 28	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0852	37 28 07	75 57 29	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0853	37 28 07	75 57 06	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0854	37 28 06	75 56 40	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0855	37 28 06	75 56 23	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0855A	37 28 06	75 56 17	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0855B	37 27 06	75 56 07	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0855C	37 27 05	75 55 42	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0855D	37 27 05	75 55 18	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0856	37 28 06	75 56 05	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0857	37 28 06	75 56 02	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0858	37 29 06	75 56 03	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0859	37 29 05	75 55 36	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0859.6A	37 28 05	75 55 19	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6B	37 28 04	75 54 56	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6C	37 29 04	75 54 41	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0859.6D	37 29 04	75 54 29	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NASSAWADOX CREEK
0859.6E	37 28 04	75 54 21	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6F	37 28 03	75 53 59	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6G	37 29 03	75 53 42	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6H	37 28 03	75 53 48	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0859.6I	37 28 03	75 53 30	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWADOX CREEK
0861	37 23 08	75 58 50	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08610	37 25 07	75 57 10	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08611	37 25 06	75 56 58	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08612	37 25 06	75 56 51	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08613	37 26 06	75 56 37	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK
08614	37 26 06	75 56 23	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08615	37 23 08	75 58 06	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08616	37 23 07	75 57 49	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08617	37 23 07	75 57 38	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08618	37 23 07	75 57 26	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08619	37 23 07	75 57 10	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
0862	37 24 08	75 58 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
08620	37 23 06	75 56 57	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08621	37 23 06	75 56 48	BFL	EASTERN SHORE	POCOMOKE	2060009	MATTAWOMAN CREEK
08622	37 23 06	75 56 44	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MATTAWOMAN CREEK
08623	37 23 06	75 56 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MATTAWOMAN CREEK
08624	37 23 06	76 56 31	BFL	JAMES	LOWER JAMES	2080206	MATTAWOMAN CREEK
0863	37 24 08	75 58 34	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0864	37 24 08	75 58 25	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0865	37 24 08	75 58 06	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK
0866	37 24 07	75 57 50	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK
0866A	37 24 07	75 57 05	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK
0867	37 25 07	75 57 42	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0868	37 25 07	75 57 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0869	37 25 07	75 57 21	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK
0869A	37 25 07	75 57 11	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0869B	37 25 06	75 56 56	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0869C	37 25 06	75 56 35	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0869D	37 25 06	75 56 28	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HUNGAR CREEK
0869E	37 24 06	75 56 15	BFL	EASTERN SHORE	POCOMOKE	2060009	HUNGAR CREEK

VIRGINIA SHELLFISH BACTERIOLOGICAL MONITORING STATIONS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Baltimore
Chester
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Washington DC
Choptank
Patuxent
Potomac
Nanticoke
Rappahannock
York
James
SCALE 1:1,389,720
0
10
20
30
MILES
Norfolk

LOWER YORK RIVER BACTERIOLOGICAL MONITORING PROGRAM

PROGRAM DESCRIPTION: The Lower York River Bacteriological Monitoring Program consists of water column and sediment monitoring at 16 stations in the lower York River for coliform and other bacteria.

PROGRAM OBJECTIVES: To determine short and long-term trends in the distribution and abundance of bacteriological populations in the lower York River.

DATE INITIATED: 1977

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Science
Division of Fisheries and Biological Sciences
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Science (VIMS)

INVESTIGATORS:

Principal Investigator	Howard Kator	VIMS

PARAMETERS:

Water Column:
Temperature
Salinity

Water Column and Sediment:
Nitrate
Nitrite
Ammonia
Phosphorus
Coliform Bacteria
Bacteria

STATIONS: There are 16 stations located in the lower York River.

SAMPLE COLLECTION: Water samples are collected 1.0 meter below the surface using sterile glass bottles attached to a pole. Sediment samples are collected using a modified Petterson "type" grab. All samples are kept at ambient temperature in insulated containers prior to enumeration.

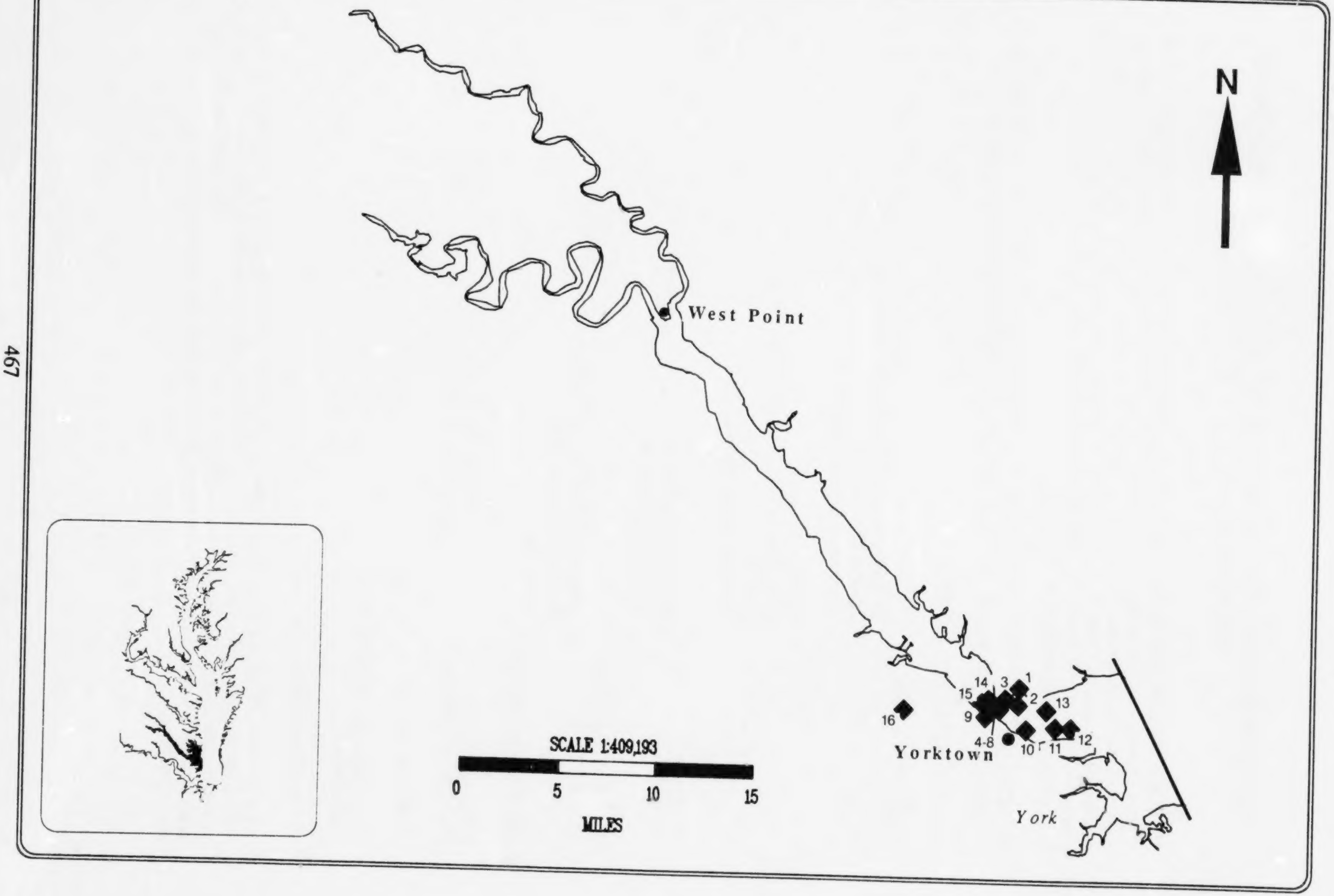
Coliform bacteria are enumerated using a standard APHA method. Heterotrophic bacteria are specified on heterotroph agar by spread plating. Petroleum-degrading bacteria are enumerated by MPN using a mineral salts medium plus sterile crude oil. Salmonella are quantified using an enrichment method.

PROGRAM INTEGRATION: N/A

LOWER YORK RIVER BACTERIOLOGICAL MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	37 15 15	76 28 58	LE-4	YORK	YORK	2080107	ENTRANCE TO SARAH CREEK, MARKER #8
10	37 13 35	76 28 42	LE-4	YORK	YORK	2080107	U.S. COASTGUARD PIER
11	37 13 39	76 27 05	LE-4	YORK	YORK	2080107	NEAR VA PWR/HRSD EFFLUENT MARKER
12	37 13 37	76 26 20	LE-4	YORK	YORK	2080107	AMOCO PIER
13	37 14 24	76 27 30	LE-4	YORK	YORK	2080107	MARKER N26
14	37 15 00	76 30 44	LE-4	YORK	YORK	2080107	MARKER N28
15	37 14 47	76 30 57	LE-4	YORK	YORK	2080107	MID-CHANNEL S OF N28
16	37 14 37	76 35 15	BFL	YORK	YORK	2080107	ON S SHORE TRANSECT S OF N28 #15
2	37 14 44	76 29 07	LE-4	YORK	YORK	2080107	RED MARKER #2
3	37 14 56	76 29 44	LE-4	YORK	YORK	2080107	GLOUCESTER PT E RESIDENTIAL SHORE
4	37 14 51	76 29 57	LE-4	YORK	YORK	2080107	GLOUCESTER PT VIMS OYSTER PIER
5	37 14 45	76 30 00	LE-4	YORK	YORK	2080107	GLOUCESTER PT VIMS FERRY PIER
6	37 14 46	76 30 21	BFL	YORK	YORK	2080107	GOUCESTER PT, MOUTH OF VIMS MARINA
7	37 14 37	76 30 20	LE-4	YORK	YORK	2080107	GEORGE COLEMAN BRIDGE, 2ND SPAN
8	37 14 32	76 30 25	LE-4	YORK	YORK	2080107	GEORGE COLEMAN BRIDGE, CTR SPAN
9	37 14 24	76 30 51	LE-4	YORK	YORK	2080107	YORKTOWN CREEK

LOWER YORK RIVER BACTERIOLOGICAL MONITORING STATIONS


N
West Point
14
3
1
15
2
13
9
16
4-8
10
11
12
Yorktown
York
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5
10
15
MILES

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING PROGRAM - ALGAE COMPONENT

PROGRAM DESCRIPTION: The Susquehanna Steam Electric Station Monitoring Program - Algae Component is one part of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station (Susquehanna SES). Through this program sampling is conducted three times per year (June, August, and October) at three sites - one control site upriver from the Susquehanna SES intake and two indicator sites downriver from the Susquehanna SES discharge diffuser.

PROGRAM OBJECTIVE: To evaluate the environmental impact of the Susquehanna SES by comparing preoperational (pre-1983) and operational periphyton and phytoplankton data.

DATE INITIATED: 1977

COORDINATING AGENCY:

Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Ecology III, Inc.
Susquehanna SES Biological Laboratory
R.D. 1
Berwick, Pennsylvania 18603

FUNDING AGENCY:

Pennsylvania Power and Light Company
Allegheny Electric Cooperative, Inc.

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Ecology III, Inc. (EIII)

INVESTIGATORS:

Program Director	Jerome S. Fields	PP&L
Principal Investigator	Andrew J. Gurzynski	EIII

PARAMETERS:

Periphyton and Phytoplankton:
Mean Density
Taxa Identification (genus or species)
% Taxa Composition

STATIONS: There are three sites in the vicinity of the Susquehanna SES. The control site is 460 m upriver from the intake structure and 135 m from the west bank, the Bell Bend indicator site is 400 m downriver from the discharge diffuser and 30 m from the west bank, and the Bell Bend I indicator site (established in 1986) is 400 m downriver from the discharge diffuser and 55 m from the west bank.

SAMPLE COLLECTION: Periphyton samples are collected in June, August and October of each year from artificial substrates which consist of six sandblasted plates of clear acrylic in "detritus-free" holders. Two holders with four plates each are placed on the river bottom at each site near the main channel. Plates are exposed to colonization for 12 months and two plates are sampled in June, August and October with three subsamples of 415 mm^2 area taken from each plate by a scuba diver using a bar-clamp sampler. Sampled plates are replaced with clean plates to be sampled later.

The area of the plate delimited by each bar-clamp sampler is cleaned by scraping and vibration with an ultrasonic dental cleaning probe for 10 minutes. Dislodged cells are carried to a collection jar by water sprayed inside the collecting cup through the cleaning probe. Samples are preserved with formalin and, after settling 10 days, are concentrated to 50 ml by siphoning. Half of the concentrate is sent to Bowling Green State University for identification and enumeration and the other half of the concentrate is placed in a reference collection for at least 12 months.

A 1-liter phytoplankton sample is collected near the river surface at each periphyton sampling site on the same days as the periphyton sampling. After the samples are preserved and allowed to settle for 10 days, the algae is concentrated in a similar manner to that used for periphyton samples except that these samples, because of their greater initial volume, are siphoned 3 times instead of once with 10 days settling time allowed between each siphoning.

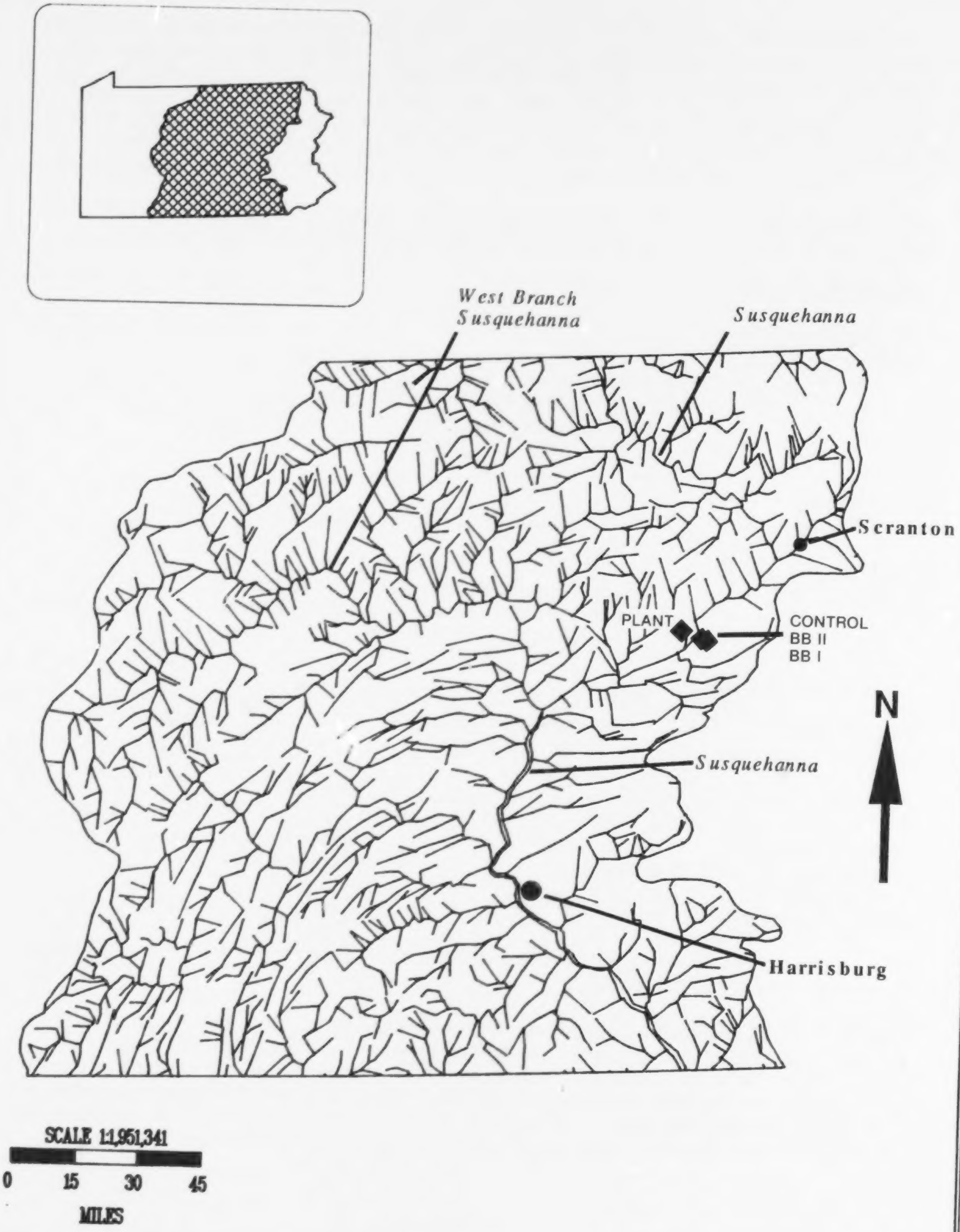
Algal cells that contain chloroplasts in both periphyton and phytoplankton samples are enumerated as units. Counts are made using a microscope and a Palmer counting cell. Higher magnification, including oil immersion, is used for some identifications. Algae are identified to genus, with more abundant forms identified to species.

PROGRAM INTEGRATION: The Susquehanna Steam Electric Station Monitoring Program - Algae Component is one component of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - ALGAE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
BB I	41 05 04	76 07 53	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	400M DOWNRIVER FROM DISCHARGER
BB II	41 05 04	76 07 54	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	400M DOWNRIVER FROM DISCHARGE D
PLANT	41 07 05	76 08 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	SUSQUEHANNA STEAM ELECTRIC STAT
SSES	41 05 33	76 07 48	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	460M UPRIVER FROM INTAKE STRUCT

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - ALGAE COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
PLANT
CONTROL
BB II
BB I
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: PHYTOPLANKTON COMPONENT

PROGRAM DESCRIPTION: The Maryland Phytoplankton Component (MDE and BERL) consists of 16 stations located in the Maryland portion of the mainstem Chesapeake Bay and its tributaries. The stations chosen represent distinct physical segments of the mainstem Bay and tributaries, i.e. fresh headwater regions, saline regions of the lower Bay and the transition or mixing regions between these two salinity extremes. Monitoring is conducted monthly from October through March and twice monthly from April through September. The program is designed to give comprehensive spatial and temporal information on phytoplankton components.

PROGRAM OBJECTIVES: To measure phytoplankton species composition, density and abundance as well as information on primary production and chlorophyll concentrations.

DATE INITIATED: August 1984

COORDINATING AGENCY:

Maryland Department of the Environment
Water Management Administration
Chesapeake Bay and Special Projects Program
2500 Broening Highway
Baltimore, Maryland 21224

FUNDING AGENCIES: Maryland Department of the Environment

PARTICIPATING AGENCIES:

Maryland Department of the Environment (MDE)
Academy of Natural Sciences Benedict Estuarine Research Laboratory (BERL)

INVESTIGATORS:

Project Officer	Robert Magnien	MDE
Principal Investigator	Kevin Sellner	BERL

PARAMETERS:

Primary Production	Species Composition
Vertical and Horizontal Distributions of Chlorophyll *a*	Species Density
Carbon Fixation Rates	

STATIONS: There are 14 stations in this program located throughout the Maryland mainstem Chesapeake Bay and its tributaries.

SAMPLE COLLECTION: Samples are collected monthly from October through March (one sample is taken for the two months of January and February) and twice monthly from April through September at all 14 stations. At each station five discrete samples are taken above and through the pycnocline and composited in a 20 liter Carboy. Two replicate samples are taken both above and below the pycnocline in this manner. The replicate composites are then combined, and one sample is taken for determining species composition and density estimates. Density and species identification are determined from composite subsamples preserved with formalin. Counts and species identification are performed using an inverted microscope.

Phytoplankton productivity is estimated in euphotic zones of all stations from surface composite samples using carbon 14 techniques. Carbon fixation rates are normalized to station chlorophyll *a* concentrations as well as being integrated over the depth of the euphotic zone, assuming an exponential decay of light energy and productivity.

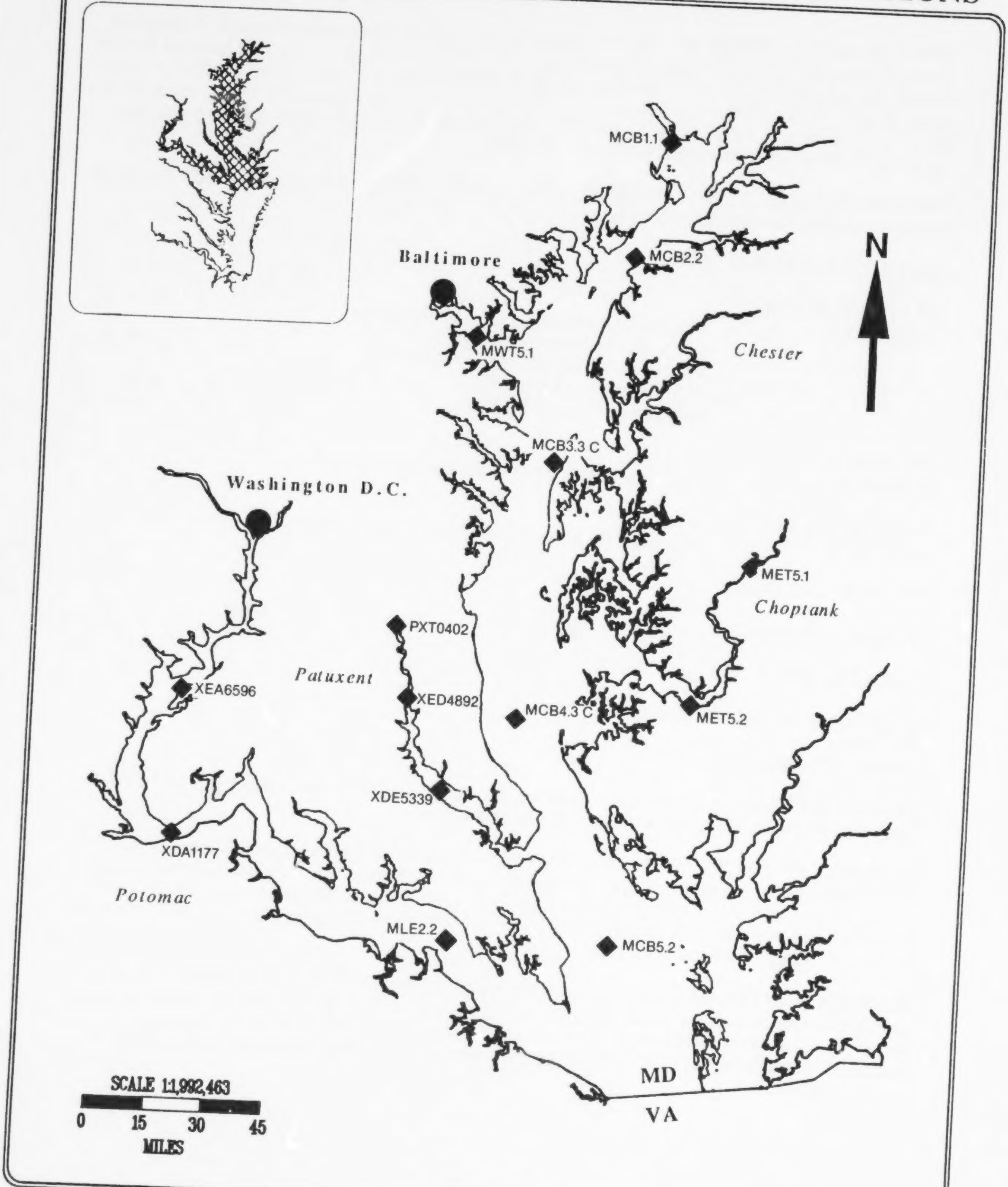
Vertical profiles of in vivo fluorescence are obtained at each station by lowering a hose through the water column and pumping water through a pre-calibrated Turner Designs Fluorometer. Calibration is done with acetone extracted grab samples as described in Strickland & Parsons, 1972. In addition, flow-through measurements of in vivo fluorescence are recorded with this fluorometer for the main axis of the upper mainstem Bay while the vessel moves between stations. The combination of this data and the chlorophyll measurements taken in the water quality monitoring program permit approximations of vertical and horizontal distributions of phytoplankton pigment over the Bay.

PROGRAM INTEGRATION: Phytoplankton sampling is performed in conjunction with the Maryland Department of the Environment's zooplankton monitoring programs. The stations sampled are part of the Maryland mainstem and tributary water quality station networks.

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: PHYTOPLANKTON STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CB1.1	39 32 48	76 04 54	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF SUSQUEHANNA RIVER
CB2.2	39 20 54	76 10 30	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF STILL POND NEAR BUOY R
CB3.3C	38 59 45	76 21 36	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF BAY BRIDGE
CB4.3C	38 33 24	76 26 12	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	E. OF DARES BEACH NEAR BOUY R 6
CB5.2	38 08 12	76 13 45	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF POINT NO POINT
ET5.1	38 48 25	75 54 44	ET-5	EASTERN SHORE	CHOPTANK	2060005	UP CHOPTANK R, DWNSTR OF CONF T
ET5.2	38 34 48	76 03 36	ET-5	EASTERN SHORE	CHOPTANK	2060005	LOWER CHOPTANK RIVER NEAR RT. 5
LE2.2	38 09 20	76 35 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	AT BUOY BWS1B OFF RAGGED POINT
WT5.1	39 12 48	76 31 30	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO R. E OF HAWKINS PT. BU
PXT0402	38 42 36	76 42 06	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER MIDCH. AT NOTTIN
XDA1177	38 21 07	77 12 17	RET-2	POTOMAC	LOWER POTOMAC	2070011	MARYLAND POINT BUOY 19
XDE5339	38 25 46	76 36 05	LE-1	PATUXENT	PATUXENT	2060006	PATUXENT R. MIDCH/SSW JACK BAY
XEA6596	38 36 29	77 10 27	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POTOMAC INDIAN HEAD
XED4892	38 34 54	76 40 50	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER MIDCH/SSE FR JAC

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: PHYTOPLANKTON STATIONS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Baltimore
MCB2.2
N
MWT5.1
Chester
MCB3.3 C
Washington D.C.
MET5.1
Choptank
PXT0402
Patuxent
XEA6596
XED4892
MCB4.3 C
MET5.2
XDE5339
XDA1177
Potomac
MLE2.2
MCB5.2
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

MARYLAND PHYTOPLANKTON MONITORING PROGRAM

PROGRAM DESCRIPTION: The Maryland Phytoplankton Monitoring Program is designed to characterize the phytoplankton community and identify dominant species in the Maryland portion of the Chesapeake Bay Basin. Through it, samples are collected at 21 stations on a monthly basis from October through March and twice a month from April through September. Although some of these stations are also sampled by the Benedict Estuarine Research Laboratory for plankton, they are sampled at different times and analyzed differently.

PROGRAM OBJECTIVES: To identify major groups of phytoplankton and identify dominant species to their lowest taxonomic level.

DATE INITIATED: 1980

COORDINATING AGENCY:

Maryland Department of the Environment
Water Management Administration
Water Quality Monitoring Division
416 Chinquapin Round Road
Annapolis, Maryland 21401

FUNDING AGENCY: Maryland Department of the Environment

PARTICIPATING AGENCY: Maryland Department of the Environment (MDE)

INVESTIGATORS:

Principal Investigator	Jim Allison	MDE

PARAMETERS:

Identification to Genus or species
Abundance
Dominant Organisms

STATIONS: There are 21 stations located on the mainstem of the Chesapeake Bay and on the Potomac, Patuxent, Patapsco, Chester and Choptank rivers.

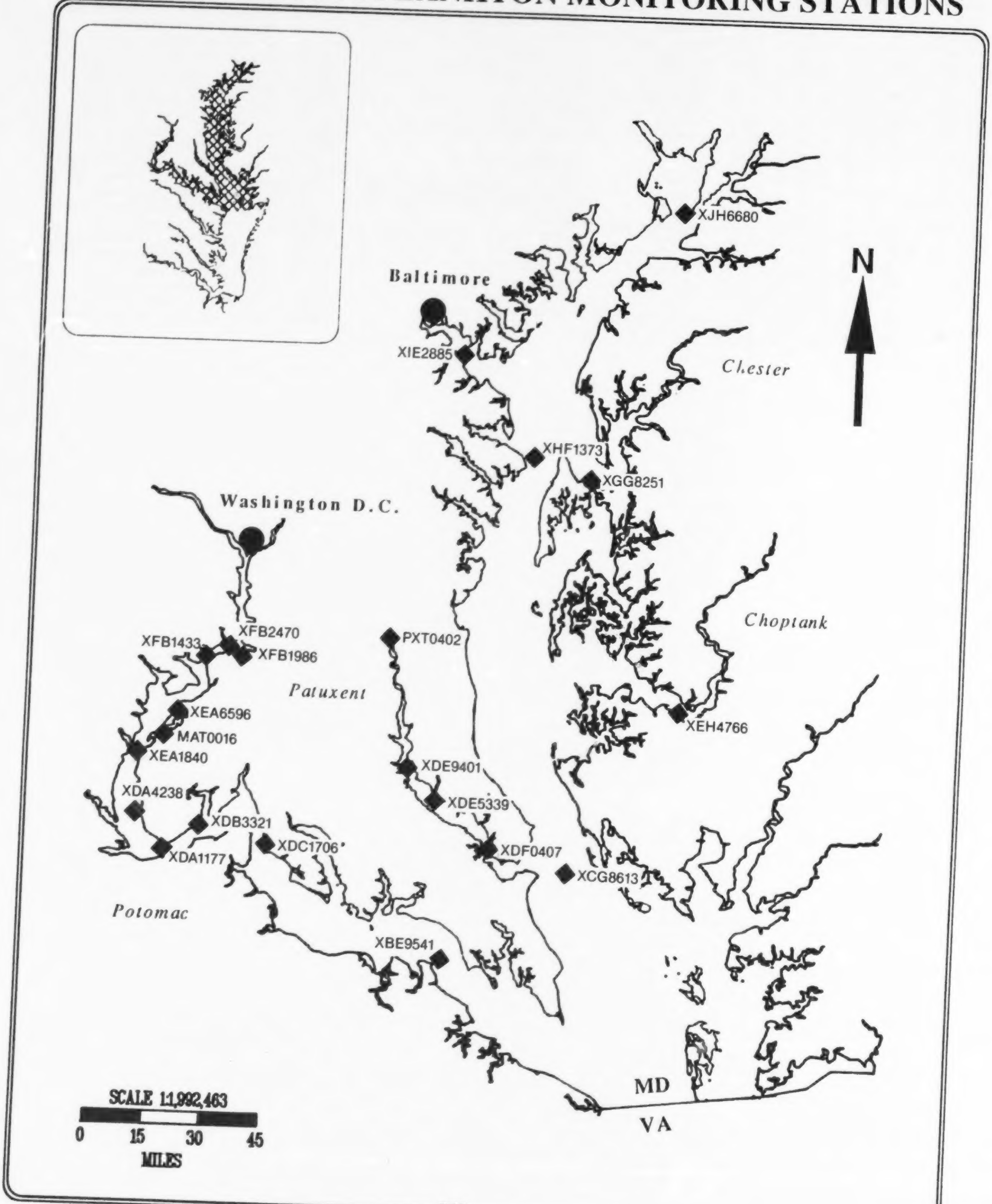
SAMPLE COLLECTION: Samples are collected on a monthly basis from October through March and twice a month from April through September. Grab samples are taken at the surface except at the Cedar Point and Morgantown stations where both surface and bottom samples are taken (bottom by pump), and at the Sandy Point stations where sampling is done at the surface and at 15 feet. Samples are not preserved.

PROGRAM INTEGRATION: Although sampled separately, five of these stations are also sampled as part of the Maryland tidal tributary network, and three are sampled as part of Maryland water quality network. This work is intended to complement the phytoplankton sampling conducted through BERL by increasing station coverage and by offering faster "turnaround" of sample analysis.

MARYLAND PHYTOPLANKTON MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
MAT0016	38 33 53	77 11 37	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	OPPOSITE SWEDEN POINT LAUNCHING
PXT0402	38 42 36	76 42 06	TF-1	WEST CHESAPEAKE	SEVERN	2060006	MIDCHANNEL AT NOTTINGHAM
XBE9541	38 09 20	76 35 45	LE-2	POTOMAC	LOWER POTOMAC	2070011	OFF RAGGED POINT
XCG8613	38 18 39	76 18 42	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BOUY RB "CB" OFF CEDAR POINT
XDA1177	38 21 07	77 12 17	RET-2	POTOMAC	LOWER POTOMAC	2070011	MIDCHANNEL OFF MD PT AT BUOY '1
XDA4238	38 24 12	77 16 10	RET-2	POTOMAC	LOWER POTOMAC	2070011	BOUY '27' SE OF SMITH POINT
XDB3321	38 23 17	77 07 51	RET-2	POTOMAC	LOWER POTOMAC	2070011	BOUY '13' OFF NANJENOY POINT
XDC1706	38 21 45	76 59 27	RET-2	POTOMAC	LOWER POTOMAC	2070011	MID-CHANNEL AT US 301 BRIDGE
XDE5339	38 25 46	76 36 05	LE-1	PATUXENT	PATUXENT	2060006	SSW OF JACK BAY SANDSPIT AND NE
XDE9401	38 29 26	76 39 52	RET-1	PATUXENT	PATUXENT	2060006	0.5 KM ENE OF LONG POINT
XDF0407	38 20 26	76 29 18	LE-1	PATUXENT	PATUXENT	2060006	1200 M DUE NORTH OF POINT PATIE
XEA1840	38 31 47	77 15 56	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BOUY '44' BETWEEN POSSUM POINT
XEA6596	38 36 29	77 10 27	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BOUY 'N54' OFF INDIAN HEAD
XEH4766	38 34 50	76 03 22	ET-5	EASTERN SHORE	CHOPTANK	2060005	AT US ROUTE 50 DRAWSPAN (CAMBRI
XFB1433	38 41 26	77 06 41	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BOUY '67' OFF DOUGE CEREEK
XFB1986	38 41 52	77 01 25	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	PICSATAWAY CREEK 2000 YDS ABOVE
XFB2470	38 42 23	77 02 57	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BOUY FL '67' OF PISCATAWAY CREE
XGG8251	38 58 16	76 14 52	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	KENT ISLAND AT ROUTE 50
XHF1373	39 01 16	76 22 40	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	2100 YDS. NE OF SANDY POINT
XIE2885	39 12 45	76 31 32	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FT. MCHENRY CHANNELL OFF HAWKIN
XJH6680	39 26 35	76 01 58	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF TURKEY POINT AT BUOY RB A

MARYLAND PHYTOPLANKTON MONITORING STATIONS



XJH6680
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Baltimore
XIE2885
Chester
XHF1373
XGG8251
Washington D.C.
Choptank
XFB2470
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XFB1986
PXT0402
Patuxent
XEA6596
MAT0016
XEA1840
XEH4766
XDE9401
XDA4238
XDE5339
XDB3321
XDC1706
XDF0407
XDA1177
XCG8613
Potomac
XBE9541
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

DISTRICT OF COLUMBIA PHYTOPLANKTON MONITORING PROGRAM

PROGRAM DESCRIPTION: The District of Columbia Phytoplankton Monitoring Program is designed to characterize phytoplankton community structure at 12 stations in the District of Columbia. Samples are taken on a prearranged monthly schedule coinciding with the ambient water quality monitoring schedule.

PROGRAM OBJECTIVES: To characterize present conditions and detect short and long-term trends in phytoplankton species abundance, distribution and composition. Additional measures are taken to allow for the prediction and investigation of prokaryotic algal blooms.

DATE INITIATIED: 1983

COORDINATING AGENCY:

District of Columbia Department of Consumer and Regulatory Affairs
Environmental Control Division
Water Quality Monitoring Section
5010 Overlook Avenue, SW
Washington, D.C. 20032

FUNDING AGENCIES:

D.C. Department of Consumer and Regulatory Affairs
U.S. EPA Region III

PARTICIPATING AGENCY: D.C. Department of Consumer and Regulatory Affairs (DCDCRA)

INVESTIGATORS:

Program Coordinator	Hamid Karimi	DCDCRA
Monitoring Coordinator	Sheila Besse	DCDCRA

PARAMETERS:

Species Identification
Species Abundance
Species Distribution
Chlorophyll *a*

STATIONS: There are 12 stations located on the tidal reaches of the Potomac and Anacostia rivers and associated tributaries within the District of Columbia.

SAMPLE COLLECTION: Samples are taken once a month at each station. Currently, samples are taken directly as whole water surface samples. However, beta plus bottles and a Master Flex sample pump have been purchased in preparation for depth-integrated sampling.

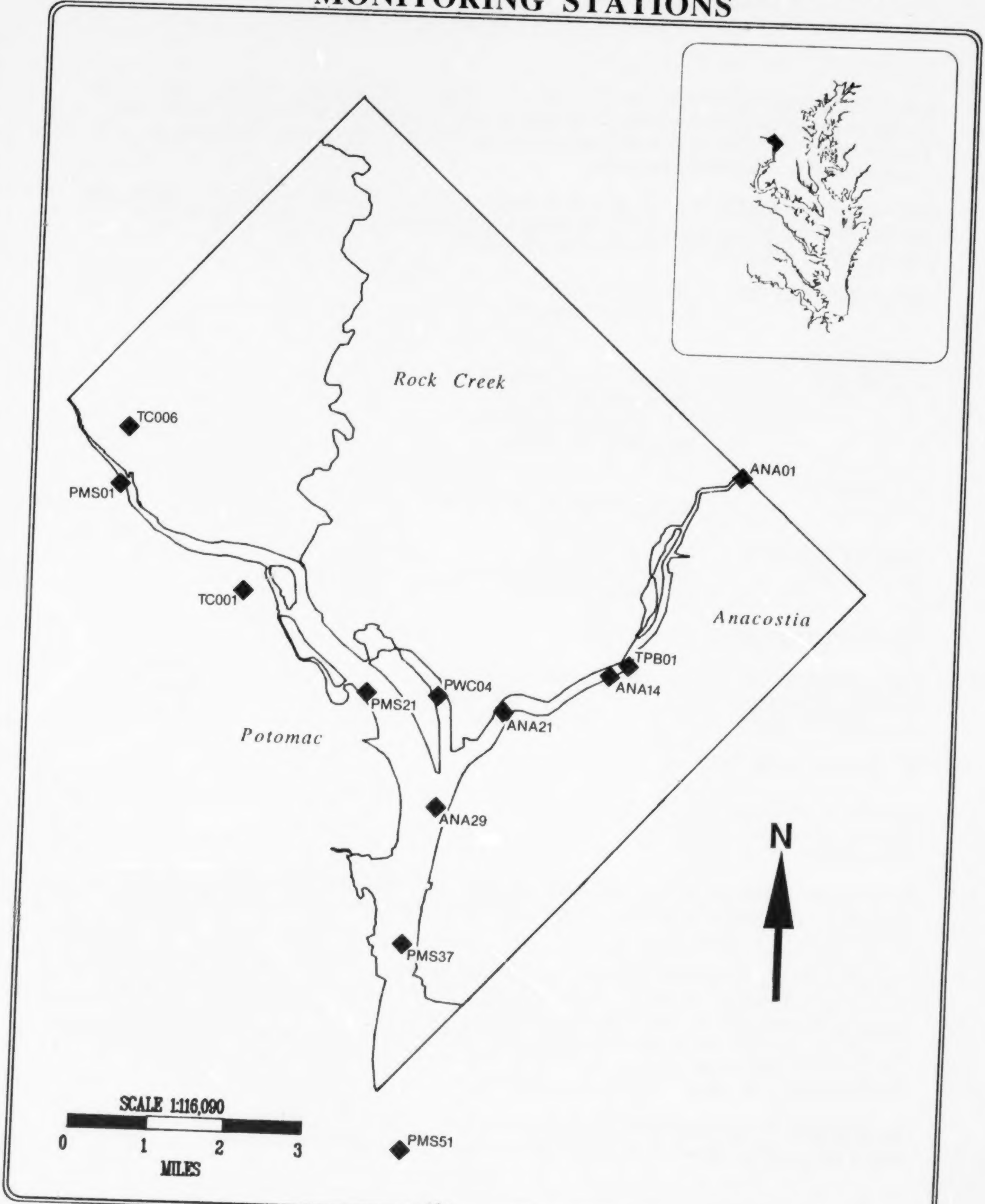
Phytoplankton are preserved with a Lugol's/formalin solution and chlorophyll *a* is transported in a dessicator. Counts and species identification are performed using an inverted microscope.

PROGRAM INTEGRATION: All station locations and sampling times coincide with the ambient, chemical/physical monitoring components of the District of Columbia integrated monitoring program. All biological data is cross-referenced with chemical and physical data to allow for complete integration within the ambient monitoring network.

DISTRICT OF COLUMBIA PHYTOPLANKTON MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
ANA01	38 55 05	76 56 31	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NY AVE. BRIDGE/50M UPSTREAM OF
ANA14	38 52 38	76 58 33	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	PENNSYLVANIA AVE./MARINA S. DOC
ANA21	38 52 10	77 00 18	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	100M N OF SOUTH CAPITAL STREET
ANA29	38 51 02	77 01 21	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	AT RED AND GREEN FLASHER/POTOMA
PMS01	38 55 04	77 06 18	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FLETCHER'S BOATHOUSE
PMS21	38 52 27	77 02 33	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	14TH STREET BRIDGE
PMS37	38 49 18	77 01 53	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	100M S. OF NAVAL RESEARCH LAB P
PMS51	38 46 12	77 01 54	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ACROSS FROM ROSIER BLUFF/100 M
PWC04	38 52 25	77 01 21	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	WASH. CHAN./100M W OF N SIDE OF
TC001	38 53 40	77 04 30	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	C&O CANAL BEORGETOWN/25 YDS W O
TC006	38 55 39	77 06 06	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	C&O CANAL FLETCHER'S BOATHOUSE/
TPB01	38 52 42	76 58 20	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FAIRLAWN AVE. BTWN. M ST. AND M

DISTRICT OF COLUMBIA PHYTOPLANKTON MONITORING STATIONS


Rock Creek
TC006
PMS01
ANA01
TC001
Anacostia
TPB01
ANA14
PWC04
PMS21
ANA21
Potomac
ANA29
N
PMS37
SCALE 1:116,090
0
1
2
3
MILES
PMS51

VIRGINIA PHYTOPLANKTON MONITORING PROGRAM (VWCB & ODU)

PROGRAM DESCRIPTION: The Virginia Phytoplankton Monitoring Program is designed to characterize planktonic communities throughout the year in the lower Chesapeake Bay and major Virginia tributaries. The same stations are used for both the phytoplankton and zooplankton components of the monitoring program.

PROGRAM OBJECTIVES: To provide a current and continuing body of data for the detection and interpretation of spatial and temporal trends in phytoplankton communities in the Virginia portion of the Chesapeake Bay and its major tributaries.

DATE INITIATED: July 1985 (mainstem)
March 1986 (tributaries)

COORDINATING AGENCY:

Virginia Water Control Board
Chesapeake Bay Office
2111 North Hamilton Street
Richmond, VA 23230

FUNDING AGENCY: Virginia Water Control Board

PARTICIPATING AGENCIES:

Virginia Water Control Board (VWCB)
Old Dominion University (ODU)

INVESTIGATORS:

Program Coordinator	Frederick Hoffman	VWCB
Principal Investigator	Harold Marshall	ODU
Principal Investigator	Raymond Alden	ODU

PARAMETERS:

Species Identification
Species Abundance
Species Distribution

STATIONS: There are 13 stations located throughout the Virginia portion of the mainstem Chesapeake Bay and its tributaries. Samples are collected at seven mainstem and six tributary stations.

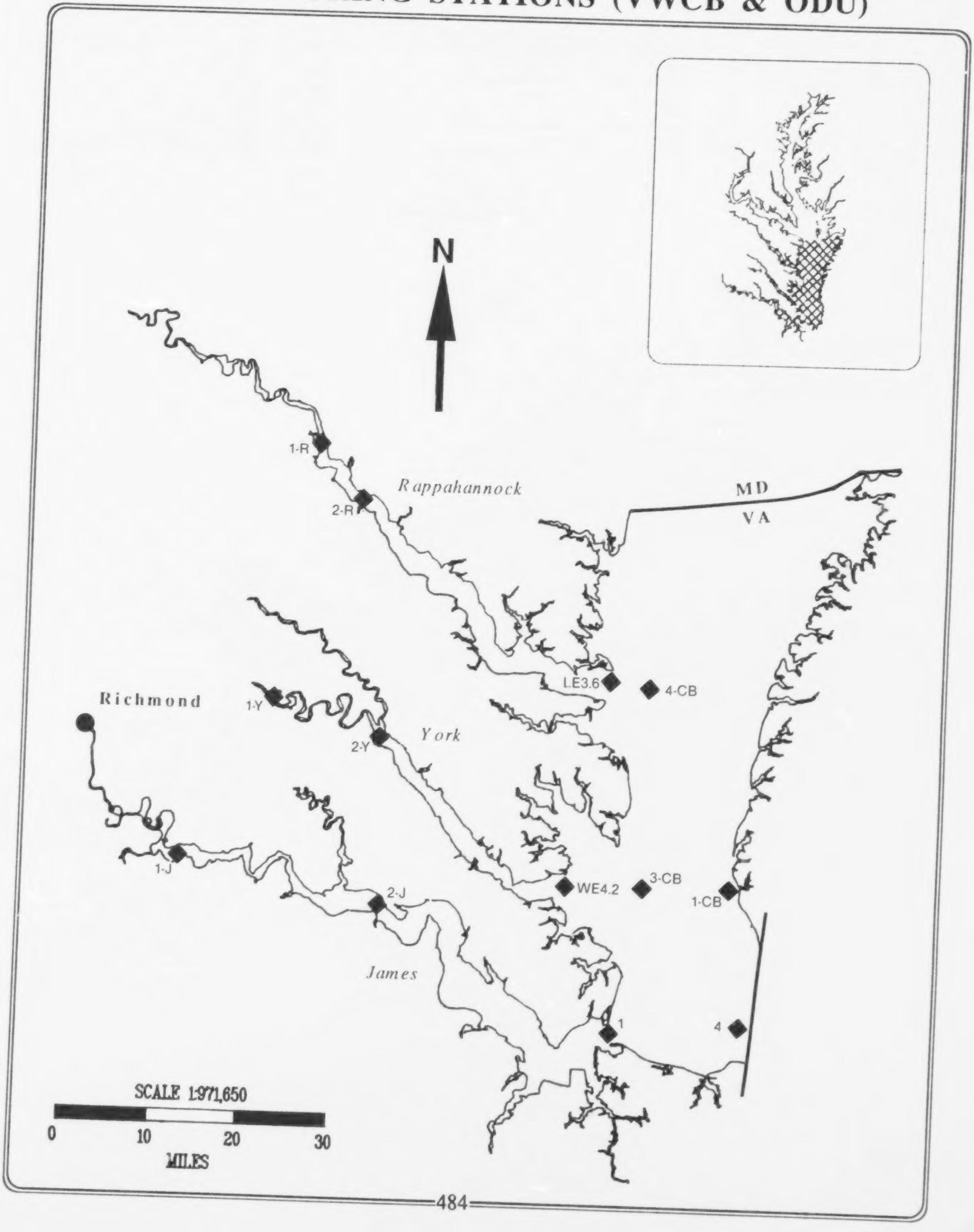
SAMPLE COLLECTION: Samples are collected 20 times per year; once a month from November to February and twice a month from March to October. Composite phytoplankton samples are taken with a diaphragm pump from five depths above and five depths below the pycnocline. Samples are preserved with formalin. Counts and species identification are performed using an inverted plankton microscope. At two stations (LE5.2 and LE5.5), counts and species identification is done with epiflourescent microscopy.

PROGRAM INTEGRATION: Phytoplankton monitoring in Virginia is performed in conjunction with zooplankton, benthos, and water quality monitoring in the state.

VIRGINIA PHYTOPLANKTON MONITORING STATIONS (VWCB & ODU)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	36 59 48	76 18 12	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOUTH OF JAMES RIVER
1-CB	37 13 43	76 03 15	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE CHANNEL ARE
1-J	37 18 46	77 13 59	TF-5	JAMES	LOWER JAMES	2080206	RED BUOY #107, JRWQMP STAT. #13
1-R	38 01 07	76 54 30	TF-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	VIMS SLACK WATER #N40
1-Y	37 34 47	77 01 19	TF-4	YORK	PAMUNKEY	2080106	WHITEHOUSE
2-J	37 12 36	76 47 36	RET-5	JAMES	LOWER JAMES	2080206	SWANN'S PT., JRWQMP STA #19
2-R	37 55 12	76 49 18	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NORTH OF BUOY R10, VIMS SLACK
2-Y	37 30 24	76 47 18	RET-4	YORK	YORK	2080107	VIMS SLACK WATER #C57
3-CB	37 14 11	76 12 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CENTRAL BAY OFF SHORE FROM YORK
4	36 59 36	76 00 38	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	BALTIMORE CHANNEL AT THE BAY BR
4-CB	37 35 18	76 09 45	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER WEST CENTRAL CHESAPEAKE B
LE3.6	37 35 48	76 17 06	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOUTH OF RAPPAHANNOCK RIVER
WE4.2	VA37 14 30	76 23 12	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY AT THE MOUTH OF YOR

VIRGINIA PHYTOPLANKTON MONITORING STATIONS (VWCB & ODU)



N
1-R
2-R
Rappahannock
MD
VA
LE3.6
4-CB
Richmond
1-Y
2-Y
York
1-J
2-J
WE4.2
3-CB
1-CB
James
1
4
SCALE 1:971,650
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10
20
30
MILES

VIRGINIA PHYTOPLANKTON MONITORING PROGRAM (VIMS)

PROGRAM DESCRIPTION: This program consists of one station for monitoring short and long-term fluctuations in phytoplankton off the U.S.Coast Guard pier in Yorktown, Virginia.

PROGRAM OBJECTIVES: To determine seasonal abundance and species composition for use in characterizing short and long-term trends in phytoplankton in this portion of the Chesapeake Bay.

DATE INITIATED: 1982

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Physical Oceanography
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	Leonard Haas	VIMS

PARAMETERS:

Water Column:
Temperature
Salinity
Particulate Organic Carbon
Particulate Organic Nitrogen
Chlorophyll *a*

Phytoplankton:
Biomass
Species Composition

STATIONS: One station is located on the U.S.Coast Guard pier in Yorktown, Virginia.

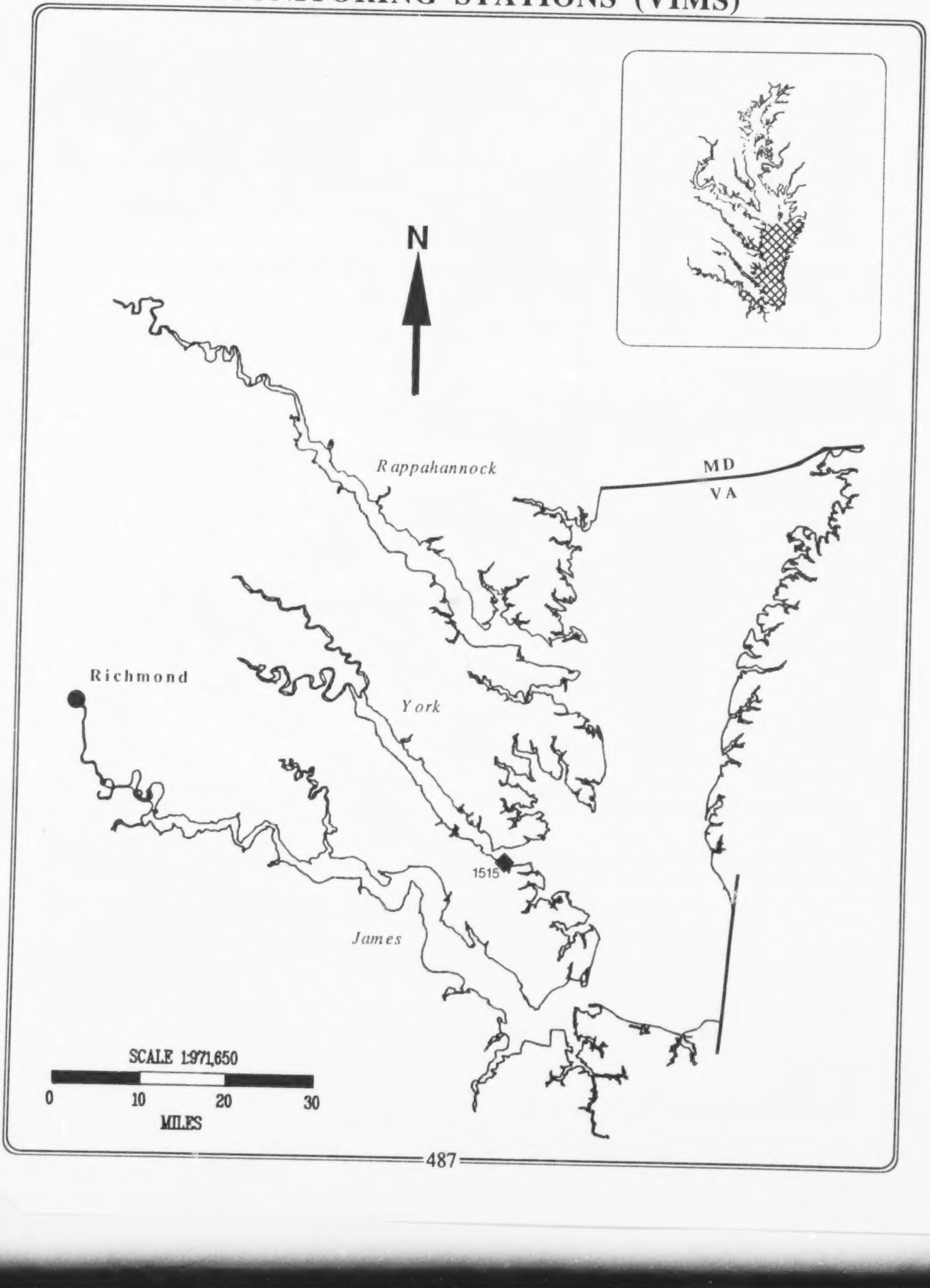
SAMPLE COLLECTION: Samples are taken three times per week from the beginning of February until the end of April and again in August. A composite sample is taken at 1, 3 and 5 meters with a Niskin Bottle and another sample is taken at the bottom of the water column (14 meters) with a pump. Cell counts are performed with epiflourescent microscopy.

PROGRAM INTEGRATION: N/A

VIRGINIA PHYTOPLANKTON MONITORING STATIONS (VIMS)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1515	37 13 34	76 28 41	LE-4	YORK	YORK	2080107	U.S. COASTAL GUARD PEIR IN YORK

VIRGINIA PHYTOPLANKTON MONITORING STATIONS (VIMS)


N
Rappahannock
MD
VA
Richmond
York
1515
James
SCALE 1:971,650
0
10
20
30
MILES

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING PROGRAM - PRIMARY PRODUCTIVITY COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Recreation Pond Monitoring Program - Primary Productivity Component is conducted in two ponds created as part of mitigation efforts outlined in the Station's 401 Certificate. The recreation ponds draw water from and discharge back into Back Creek downstream of the Pumped Storage Station's lower reservoir. Monitoring is conducted at four stations, two stations in each pond. Primary productivity monitoring is one component of this program which also involves water quality, zooplankton, benthic invertebrate and finfish monitoring.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the fishery potential of the recreation ponds.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department. of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Chlorophyll *a*
Phytoplankton Abundance
Phytoplankton Identification

STATIONS: There are four stations - two each in the two recreation ponds near the Bath County Pumped Storage Station (only plant location is given, but ponds are in same vicinity).

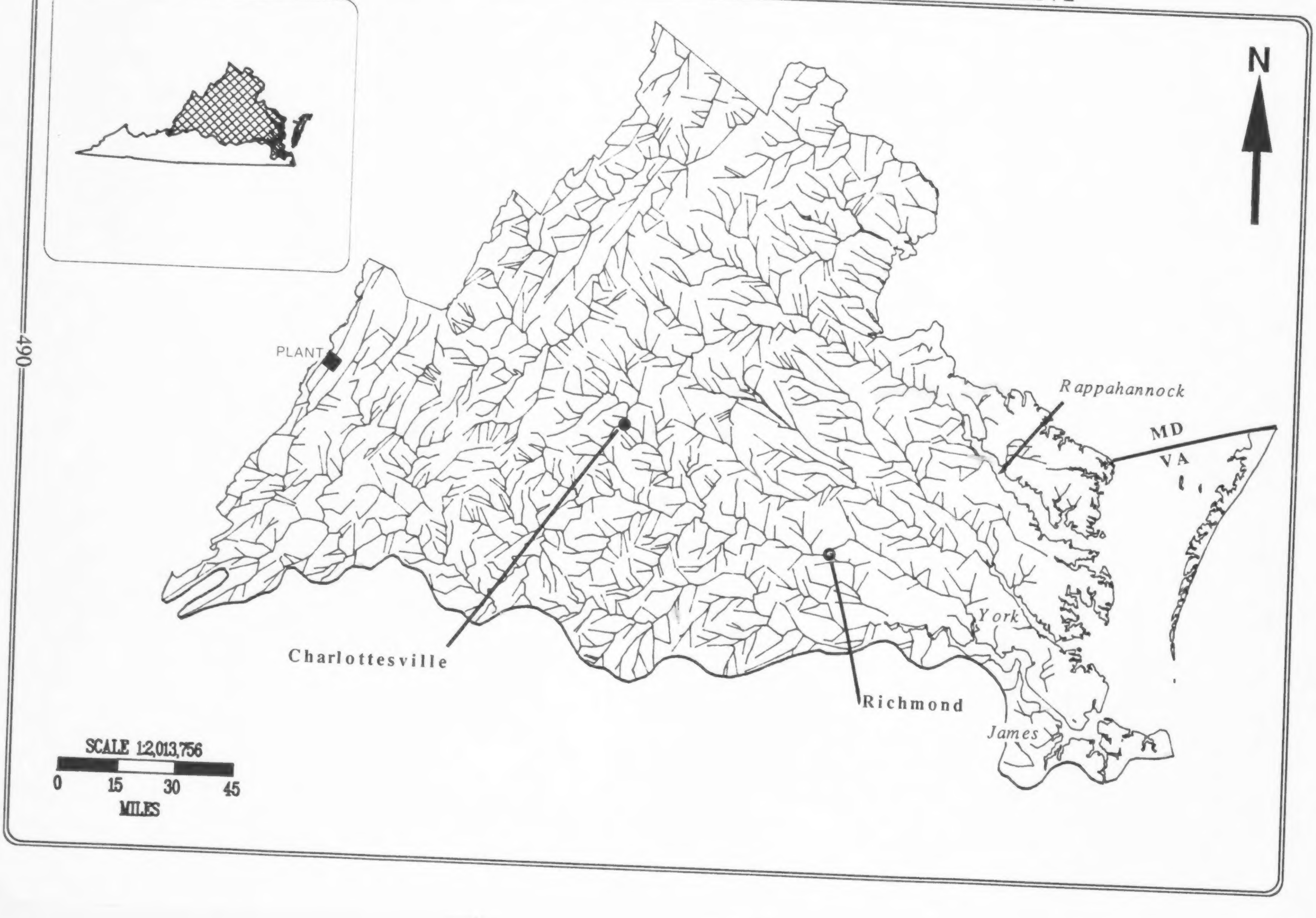
SAMPLE COLLECTION: Monitoring is conducted semi-annually at two stations in each pond (four stations altogether). Primary productivity is estimated by chlorophyll *a* analysis of water samples. In addition, samples are collected for phytoplankton identification and enumeration to provide an assessment of phytoplankton community structure.

PROGRAM INTEGRATION: Primary productivity monitoring is one component of this program which also involves water quality, zooplankton, benthic invertebrate and finfish monitoring.

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - PRIMARY PRODUCTIVITY COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - PRIMARY PRODUCTIVITY COMPONENT


N
PLANT
Charlottesville
Richmond
Rappahannock
York
James
MD
VA
SCALE 1:2,013,756
0
15
30
45
MILES

LAKE ANNA POWER STATION MONITORING PROGRAM - PRIMARY PRODUCTIVITY COMPONENT

PROGRAM DESCRIPTION: The Lake Anna Power Station Monitoring Program - Primary Productivity Component is conducted routinely on a monthly basis at three stations. Continuous temperature monitoring is conducted at these three and an additional five stations. Assistance is also provided in a yearly rotenone survey under direction of the Virginia Department of Game and Inland Fisheries.

PROGRAM OBJECTIVE: To monitor the ecosystem to confirm the absence of harmful effects from station operation and to assist the Virginia Department of Game and Inland Fisheries in developing and supporting lake management programs.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCY:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Secchi Disk
Chlorophyll *a*

Benthos:
Corbicula fluminea

STATIONS: There are three stations where all above-mentioned parameters are collected, and five additional stations where only continuous temperature monitoring is performed.

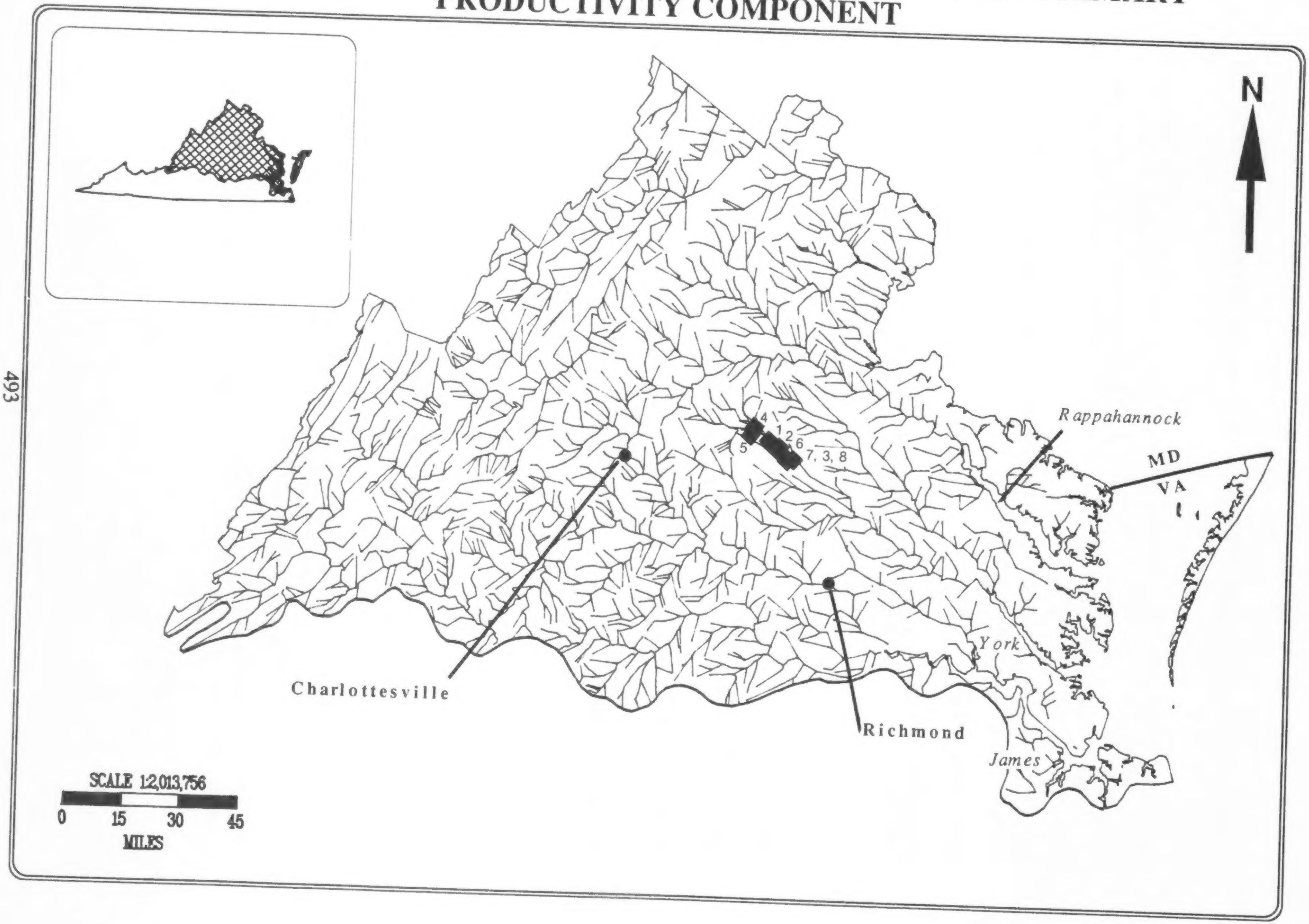
SAMPLE COLLECTION: Chlorophyll *a* samples are collected monthly at three locations for estimation of primary productivity. In addition, bottom grab samples are collected three times per year to monitor the *Corbicula fluminea* population. Continuous temperature monitoring is conducted utilizing thermograph recorders at eight locations (including the three). Dissolved oxygen profiles are measured quarterly by boat surveys at these stations.

PROGRAM INTEGRATION: The Lake Anna Power Station Monitoring Program - Phytoplankton Component is part of a survey which also involves finfish monitoring.

LAKE ANNA POWER STATION MONITORING STATIONS - PRIMARY PRODUCTIVITY COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 05 04	77 48 45	AFL	YORK	PAMUNKEY	2080106	UPPER LAKE - PHYTO/THERMOGRAPH
2	38 03 56	77 47 24	AFL	YORK	PAMUNKEY	2080106	STATION INTAKES - PHYTO/THERMOG
3	38 00 37	77 43 07	AFL	YORK	PAMUNKEY	2080106	LOWER LAKE - PHYTO/THERMOGRAPH
4	38 08 03	77 52 03	AFL	YORK	PAMUNKEY	2080106	PAMUNKEY ARM - THERMOGRAPH ONLY
5	38 06 37	77 53 05	AFL	YORK	PAMUNKEY	2080106	NORTH ANNA ARM - THERMOGRAPH ON
6	38 03 02	77 45 52	AFL	YORK	PAMUNKEY	2080106	MIDLAKE - THERMOGRAPH ONLY
7	38 00 46	77 43 55	AFL	YORK	PAMUNKEY	2080106	LOWER LAKE
8	38 00 45	77 42 41	AFL	YORK	PAMUNKEY	2080106	NORTH ANNA RIVER EAST OF DAM

LAKE ANNA POWER STATION MONITORING STATIONS - PRIMARY PRODUCTIVITY COMPONENT


N
Rappahannock
MD
VA
4
1
2
6
5
7, 3, 8
York
James
Charlottesville
Richmond
SCALE 1:2,013,756
0
15
30
45
MILES

WEST VIRGINIA PHYTOPLANKTON MONITORING PROGRAM

PROGRAM DESCRIPTION: The West Virginia Phytoplankton Monitoring Program assists in the collection of biological ambient data to support varied activities of the West Virginia Department of Natural Resources and other agencies. All phytoplankton sampling in the state is carried out on a monthly basis, from April to October, at four locations within the Chesapeake Bay basin.

PROGRAM OBJECTIVES: To provide baseline data and determine long-term trends in phytoplankton abundance in the northeastern rivers of West Virginia.

DATE INITIATED: 1978

COORDINATING AGENCY:

West Virginia Department of Natural Resources
Division of Water Resources
1201 Greenbrier Street
Charleston, WV 25311

FUNDING AGENCY: West Virginia Department of Natural Resources

PARTICIPATING AGENCY: West Virginia Department of Natural Resources (WVDNR)

INVESTIGATORS:

Program Supervisor	Mike Zeto	WVDNR
Principal Investigator	Janice Fisher	WVDNR

PARAMETERS:

Chlorophyll *a*
Chlorophyll *b*
Chlorophyll *c*
Phaeophytin

STATIONS: Four phytoplankton stations are located in the Potomac River Basin; one on the Shenandoah River at U.S. Route 50 Bridge, two on the South Branch of the Potomac River and one on the Opequon Creek at Route 12.

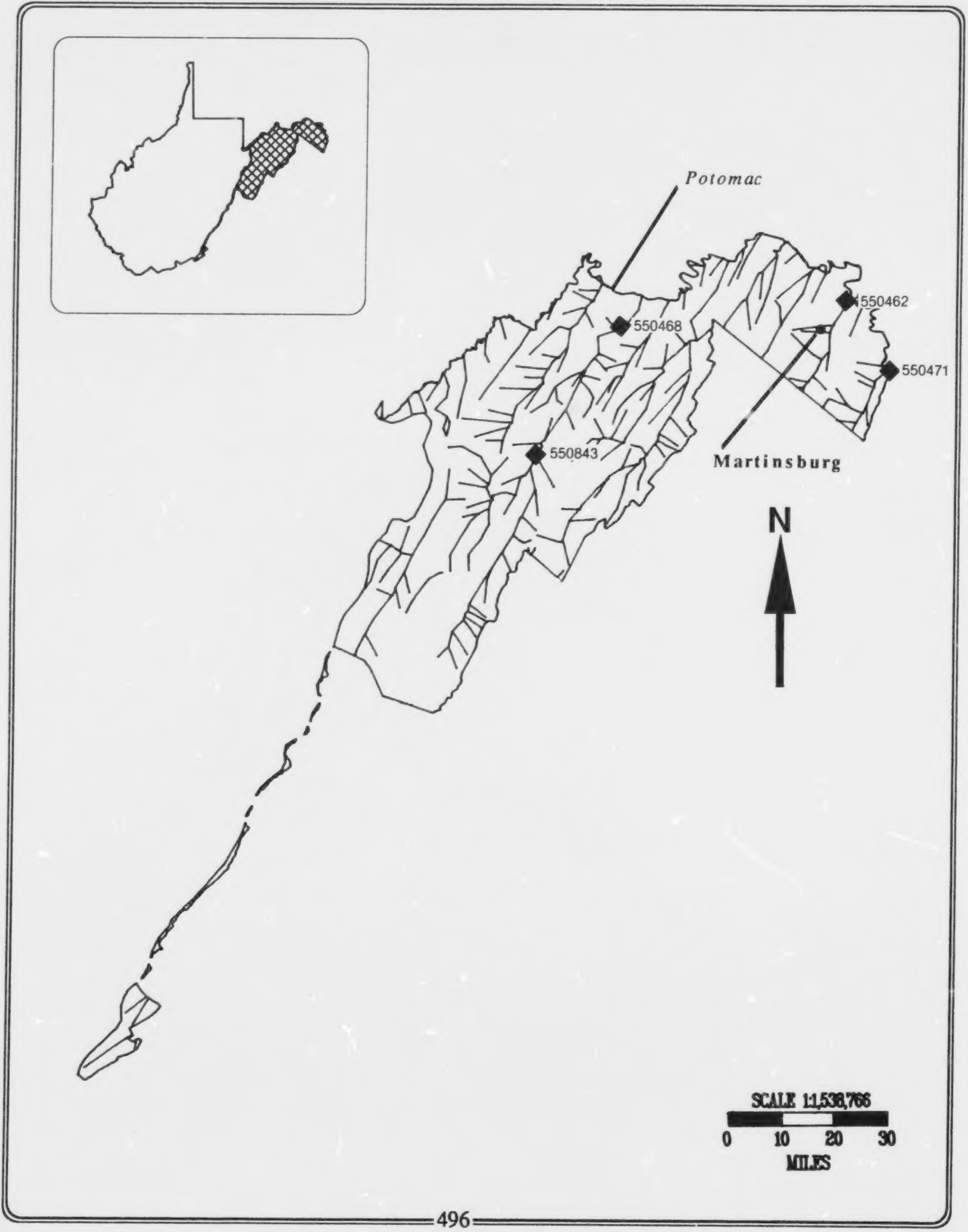
SAMPLE COLLECTION: Grab samples are taken on a monthly basis from April through October. All samples are processed in triplicate and analyzed for chlorophyll *a*, *b* and *c* , and phaeophytin using the spectrophotometric method.

PROGRAM INTEGRATION: This program is part of West Virginia's ambient biological monitoring network. Annual benthic macroinvertebrate sampling is conducted at the same stations.

WEST VIRGINIA PHYTOPLANKTON MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
550462	39 31 01	77 53 23	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	OPEQUON CREEK AT RT. 12 BRIDGE
550468	39 26 49	78 39 16	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	S. BRANCH AT RT. 3 BRIDGE NEAR
550471	39 19 22	77 44 33	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	US ROUTE 340 BRIDGE IN BOLIVAR
550843	39 06 15	78 57 34	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	S. BRANCH AT RT. 220 BRIDGE NEA

WEST VIRGINIA PHYTOPLANKTON MONITORING STATIONS



Potomac
550468
550462
550471
550843
Martinsburg
N
SCALE 1:1,538,766
0
10
20
30
MILES

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: ZOOPLANKTON COMPONENT

PROGRAM DESCRIPTION: The Maryland Zooplankton Component is designed to provide comprehensive spatial and temporal information on zooplankton at 14 stations located in the Maryland portions of the mainstem Chesapeake Bay and its tributaries. The stations were chosen to represent distinct physical segments of the main Bay and tributaries, i.e. fresh headwater regions, saline regions of the lower Bay and principal tributaries, and the transition or mixing regions between these two salinity extremes. Monitoring is conducted on a monthly basis.

PROGRAM OBJECTIVES: To characterize spatial and temporal information on zooplankton species composition and densities.

DATE INITIATED: August 1984

COORDINATING AGENCY:
Maryland Department of the Environment
Water Management Administration
Chesapeake Bay and Special Projects Program
2500 Broening Highway
Baltimore, MD 21224

FUNDING AGENCY: Maryland Department of the Environment

PARTICIPATING AGENCIES:
Maryland Department of the Environment (MDE)
Academy of Natural Sciences, Benedict Estuarine Research Laboratory (BERL)
Coastal Environmental Services, Inc.(CES)

INVESTIGATORS:

Program Coordinator	Robert Magnien	MDE
Principal Investigator	Kevin Jellner	BERL
Principal Investigator	Fred Jacobs	CES

PARAMETERS:

In Preserved Sample:
Species Composition
Species Density
Settled Volume of mesozooplankton
Ctenophore Volume and Number
Jellyfish Volume and Number

In Frozen Sample:
Total Mesozooplankton Biomass as Dry Weight
Total Mesozooplankton Biomass as Ash-Free Dry Weight

STATIONS: There are 14 zooplankton monitoring stations located in the Maryland portion of the mainstem Chesapeake Bay and its tidal tributaries.

SAMPLE COLLECTION: Samples are collected on a monthly basis at all 14 stations. For microzooplankton, composite samples are collected with a submersible pump from five depths above the pycnocline (or the "surface mixed layer"), and five depths below the pycnocline (or the "bottom mixed layer"). Composited samples are filtered through a 44 micron mesh net to screen for microzooplankton. Filtered samples are then preserved with formalin and species identifications and densities are determined using an inverted microscope.

Sampling for mesozooplankton is done with oblique tows using a 20 cm, 202 μm mesh bongo net for each replicate tow. The entire water column is sampled by first deploying the gear a few meters from the bottom and raising the net in timed progressive steps, usually 0.5 to 1.5 minutes/step. For stations less than 8 meters in depth, 1 meter step intervals are used; for stations in the depth range of 9-20 meters, 2 meter steps are used; at stations where depths exceed 20 meters, 4 meter step intervals are taken. The duration of the tow ranges from 5 to 10 minutes depending on plankton and ctenophore density.

One taxonomic sample (preserved with formalin in the field) and one biomass sample (frozen in the field) are collected from each bongo tow. Ctenophores, where they occur, are removed from samples in the field, and their numbers and biomass are recorded from the net that is used as the taxonomic sample.

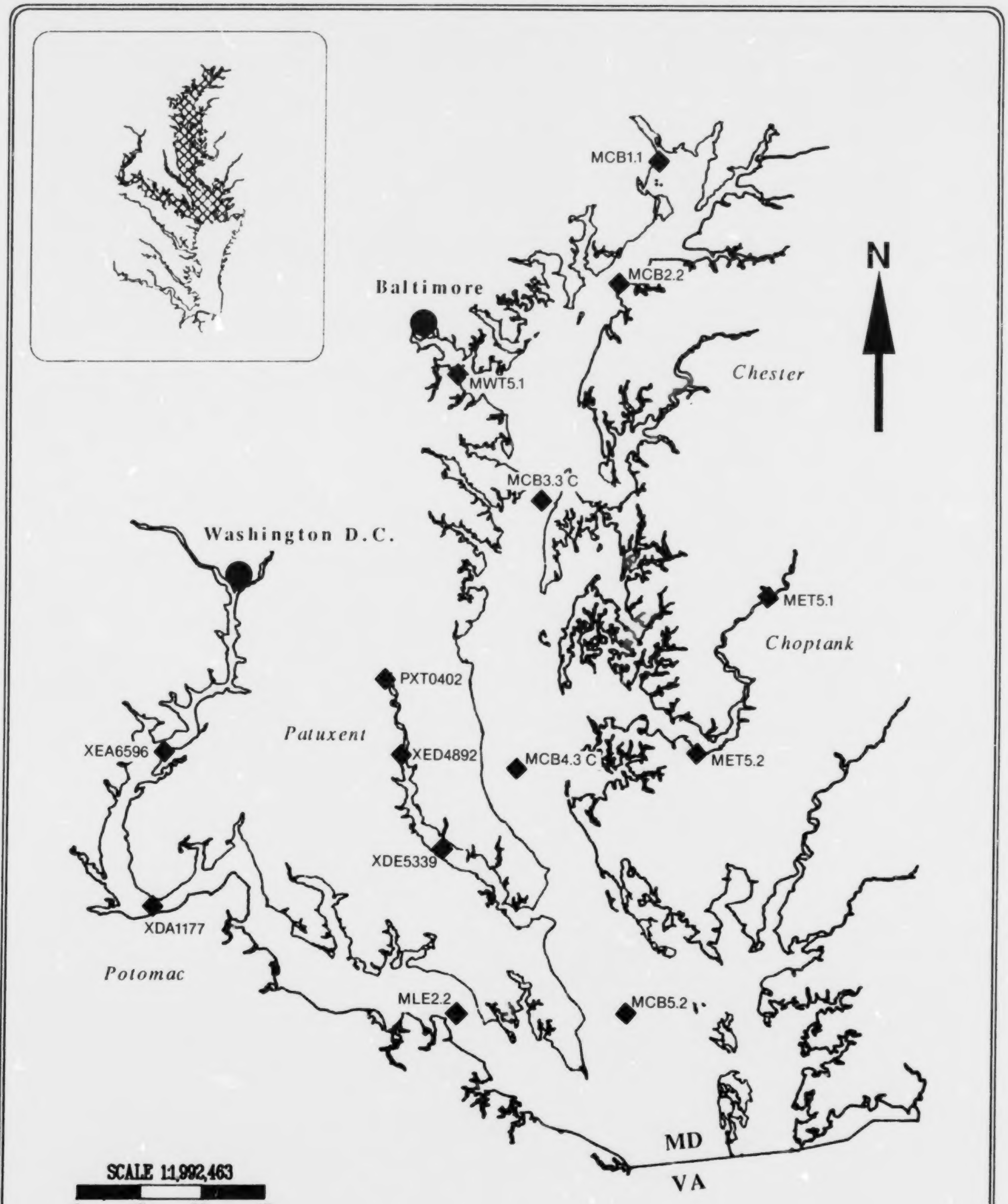
Ancillary data, such as dissolved oxygen, conductivity, pH, oxidation-reduction potential and secchi disk depth, are collected by Maryland Department of the Environment and transcribed on-site to CES (contractor) data sheets. When MDE water quality sampling is not done in conjunction with the mesozooplankton sampling, this data is taken on-site, independent of MDE.

PROGRAM INTEGRATION: Zooplankton sampling is performed in conjunction with the sampling for the water quality and phytoplankton components of Maryland's Chesapeake Bay Water Quality Monitoring Program.

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: ZOOPLANKTON STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
MCB1.1	39 32 48	76 04 54	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF SUSQUEHANNA RIVER
MCB2.2	39 20 54	76 10 30	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF STILL POND NEAR BUOY R
MCB3.3C	38 59 45	76 21 36	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF BAY BRIDGE
MCB4.3C	38 33 24	76 26 12	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	E. OF DARES BEACH NEAR BOUY R 6
MCB5.2	38 08 12	76 13 45	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF POINT NO POINT
MET5.1	38 48 25	75 54 44	ET-5	EASTERN SHORE	CHOPTANK	2060005	UP CHOPTANK R, DWNSTR OF CONF T
MET5.2	38 34 00	76 03 30	BFL	EASTERN SHORE	CHOPTANK	2060005	LOWER CHOPTANK RIVER NEAR RT. 5
MLE2.2	38 09 20	76 35 50	LE-2	POTOMAC	LOWER POTOMAC	2070011	AT BUOY BWS1B OFF RAGGED POINT
MWT5.1	39 12 48	76 31 30	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO R. E OF HAWKINS PT. BU
PXT0402	38 42 36	76 42 06	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER MIDCH. AT NOTTIN
XDA1177	38 21 07	77 12 17	RET-2	POTOMAC	LOWER POTOMAC	2070011	MARYLAND POINT BUOY 19
XDE5339	38 25 46	76 36 05	LE-1	PATUXENT	PATUXENT	2060006	PATUXENT R. MIDCH/SSW JACK BAY
XEA6596	38 36 29	77 10 27	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POTOMAC INDIAN HEAD
XED4892	38 34 54	76 40 50	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER MIDCH/SSE FR JAC

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: ZOOPLANKTON STATIONS


MCB1.1
N
MCB2.2
Baltimore
Chester
MWT5.1
MCB3.3 C
Washington D.C.
MET5.1
Choptank
PXT0402
Patuxent
XEA6596
XED4892
MCB4.3 C
MET5.2
XDE5339
XDA1177
Potomac
MLE2.2
MCB5.2
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

SEA NETTLE MONITORING PROGRAM

PROGRAM DESCRIPTION: From the pier of the Chesapeake Biological Laboratory, sea nettles and accompanying water conditions are recorded on a daily basis. These counts are averaged by the week for use in a computer model. This allows population predictions to be made based on flow and other parameters.

PROGRAM OBJECTIVES: To relate sea nettle abundance to predictive climatic and water conditions.

DATE INITIATED: 1966 (Some earlier data is available).

COORDINATING AGENCY:
University of Maryland - CEES
Chesapeake Biological Laboratory
P.O. Box 38
Solomons, Maryland 20688

FUNDING AGENCY: Chesapeake Biological Laboratory

PARTICIPATING AGENCY: Chesapeake Biological Laboratory (CBL)

INVESTIGATORS:

Principal Investigator	Dave G. Cargo	CBL

PARAMETERS:

Air Temperature
Precipitation
Water Temperature
Salinity
Sea Nettle Abundance

STATIONS: There is one station located along one side of the Chesapeake Biological Laboratory's pier. Counts are made over an area of 3225 square meters directly adjacent to the pier starting 15 meters out and running parallel along the 215 meter length of the pier

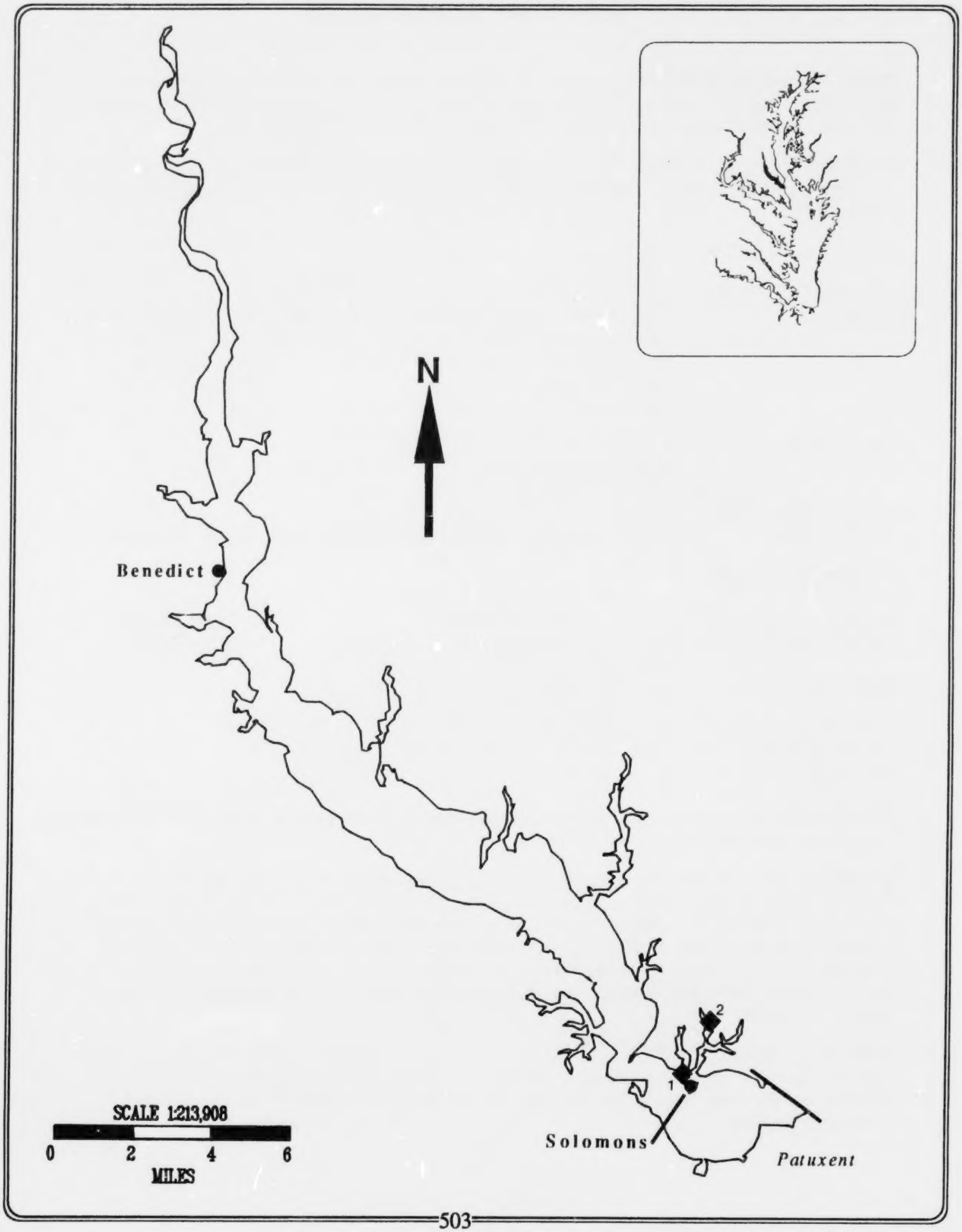
SAMPLE COLLECTION: Sampling begins in April of each year (when water temperature has reached more that 18°C) in a local tidal creek with a 1/2 plankton net or 0.505mm mesh size for the newly released ephyrae. In May, counting of the medusae is conducted on a daily basis on one side of the pier, often around noontime. The daily counts are averaged by the week with the weekly averages for July and August used in a computer model. Sampling was suspended in 1988 due to equipment failure.

PROGRAM INTERGRATION: N/A

SEA NETTLE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 19 30	76 27 31	BFL	PATUXENT	PATUXENT	2060006	CHESAPEAKE BIOLOGICAL LABORATORY
2	38 20 22	76 26 51	LE-1	PATUXENT	PATUXENT	2060006	CHESAPEAKE BIOLOGICAL LABORATORY

SEA NETTLE MONITORING STATIONS


N
Benedict
2
1
Solomons
Patuxent
SCALE 1:213,908
0
2
4
6
MILES

DISTRICT OF COLUMBIA ZOOPLANKTON MONITORING PROGRAM

PROGRAM DESCRIPTION: District of Columbia Zooplankton Monitoring Program tows are conducted monthly at three CORE stations on the Potomac and Anacostia Rivers to assist in the determination of zooplankton species abundance, distribution and composition.

PROGRAM OBJECTIVES: To characterize mesozooplankton community structure, especially as it pertains to the detection of short and long-term trends in species abundance, distribution and composition.

DATE INITIATED: 1983

COORDINATING AGENCY:

District of Columbia Department of Consumer and Regulatory Affairs
Environmental Control Division
Water Quality Monitoring Section
5010 Overlook Avenue, SW
Washington, D.C. 20032

FUNDING AGENCY: U.S. EPA Region III

PARTICIPATING AGENCIES: D.C. Department of Consumer and Regulatory Affairs (DCDCRA)

INVESTIGATORS:

Program Coordinator	Hamid Karimi	DCDCRA
Monitoring Coordinator	Sheila Besse	DCDCRA

PARAMETERS:

Species Identification
Species Abundance
Species Distribution

STATIONS: There are three EPA national water quality monitoring program (CORE) stations on the Potomac and Anacostia rivers.

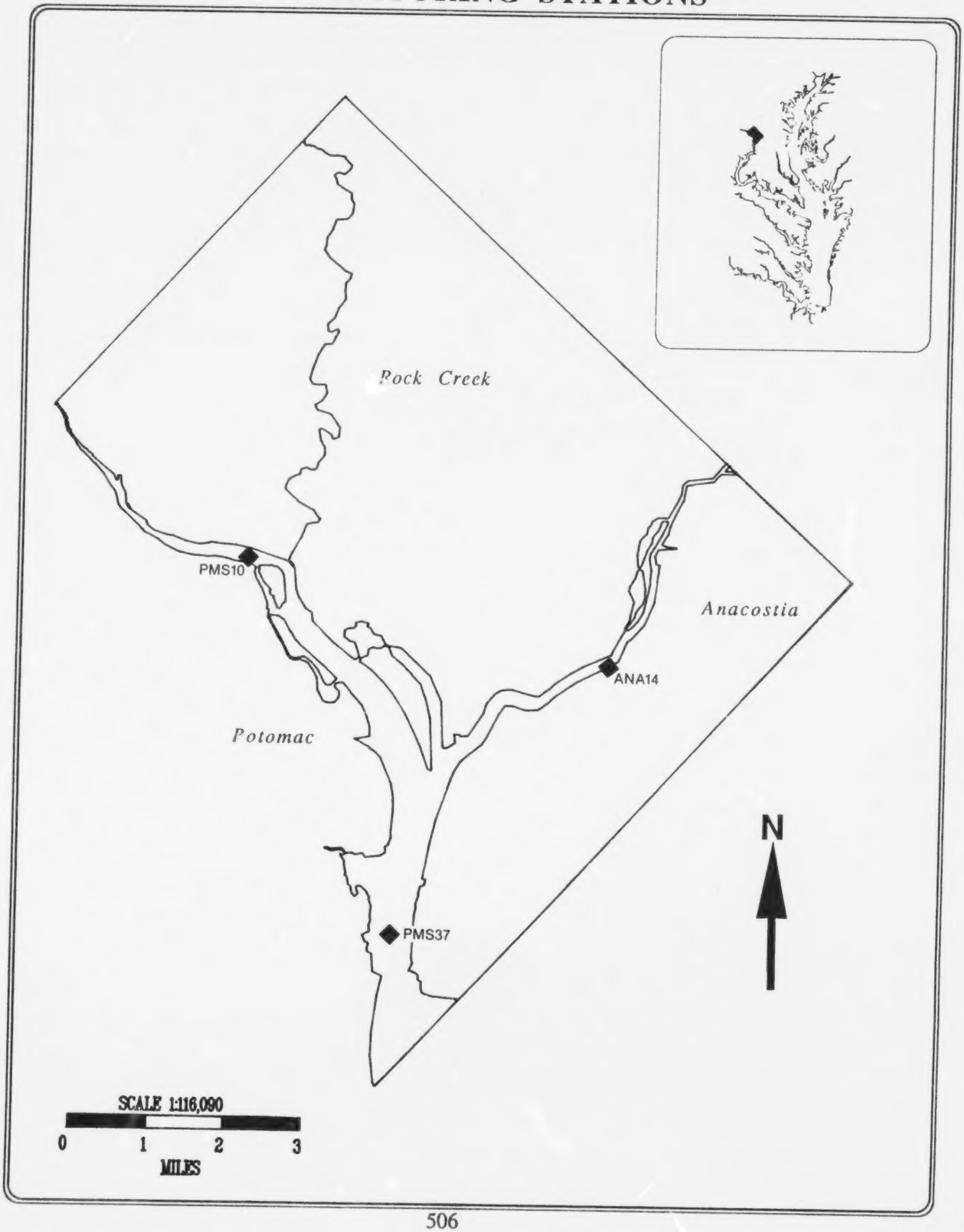
SAMPLE COLLECTIONS: Samples are taken once a month at three stations located on the Potomac and Anacostia Rivers. They are scheduled to coincide with the ambient water quality monitoring sampling. A metered Clarke-Bumpus plankton sampler with an 80 micron mesh netting is used to perform shallow subsurface towing which lasts approximately 5 minutes in duration. Samples are preserved with formalin. Protocol for sample storage and holding time are currently being developed. Mesozooplankton counts and identification contracted out to a taxonomic expert.

PROGRAM INTEGRATION: All station locations and sampling times coincide with their ambient, chemical/physical, monitoring analogs. All biological data is cross referenced with chemical and physical data to allow for complete integration within the District's ambient monitoring network.

DISTRICT OF COLUMBIA ZOOPLANKTON MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
ANA14	38 52 38	76 58 33	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	PENNSYLVANIA AVE./MARINA S DOCK
PMS10	38 54 08	77 04 11	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	UPSTREAM OF KEY BRIDGE
PMS37	38 49 18	77 01 53	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	100M S OF NAVAL RESEARCH LAB PI

DISTRICT OF COLUMBIA ZOOPLANKTON MONITORING STATIONS


Rock Creek
PMS10
Anacostia
ANA14
Potomac
PMS37
N
SCALE 1:116,090
0
1
2
3
MILES

VIRGINIA ZOOPLANKTON MONITORING PROGRAM

PROGRAM DESCRIPTION: The Virginia Zooplankton Monitoring Program is designed to provide a current and continuing body of data adequate for the detection and interpretation of spatial and temporal trends in Virginia zooplankton communities. Samples are collected at seven mainstem and six tributary stations on a monthly basis.

PROGRAM OBJECTIVES: To characterize spatial and temporal patterns of zooplankton communities and examine the effects of water quality conditions on these patterns. To establish a long-term data base to allow for future trend analysis.

DATE INITIATED:	July 1985 for mainstem March 1986 for tributaries
COORDINATING AGENCY:	Virginia Water Control Board Chesapeake Bay Office 2111 N. Hamilton Street Richmond, Virginia 23230
FUNDING AGENCY:	Virginia Water Control Board
PARTICIPATING AGENCIES:	Virginia Water Control Board (VWCB) Old Dominion University (ODU)

INVESTIGATORS:

Program Coordinator	Frederick Hoffman	VWCB
Principal Investigator	Ray Birdsong	ODU
Principal Investigator	Raymond Alden	ODU

PARAMETERS:

Species Identification
Species Abundance
Species Distribution

STATIONS: There are 13 zooplankton stations located in Virginia's portion of the mainstem Chesapeake Bay and its tributaries.

SAMPLE COLLECTION: Samples are collected once a month. Single five minute oblique tows are employed from the surface to 1 meter above the bottom and back to the surface. Bongo apparatus is used with 202 μ mesh nets and flowmeters attached.

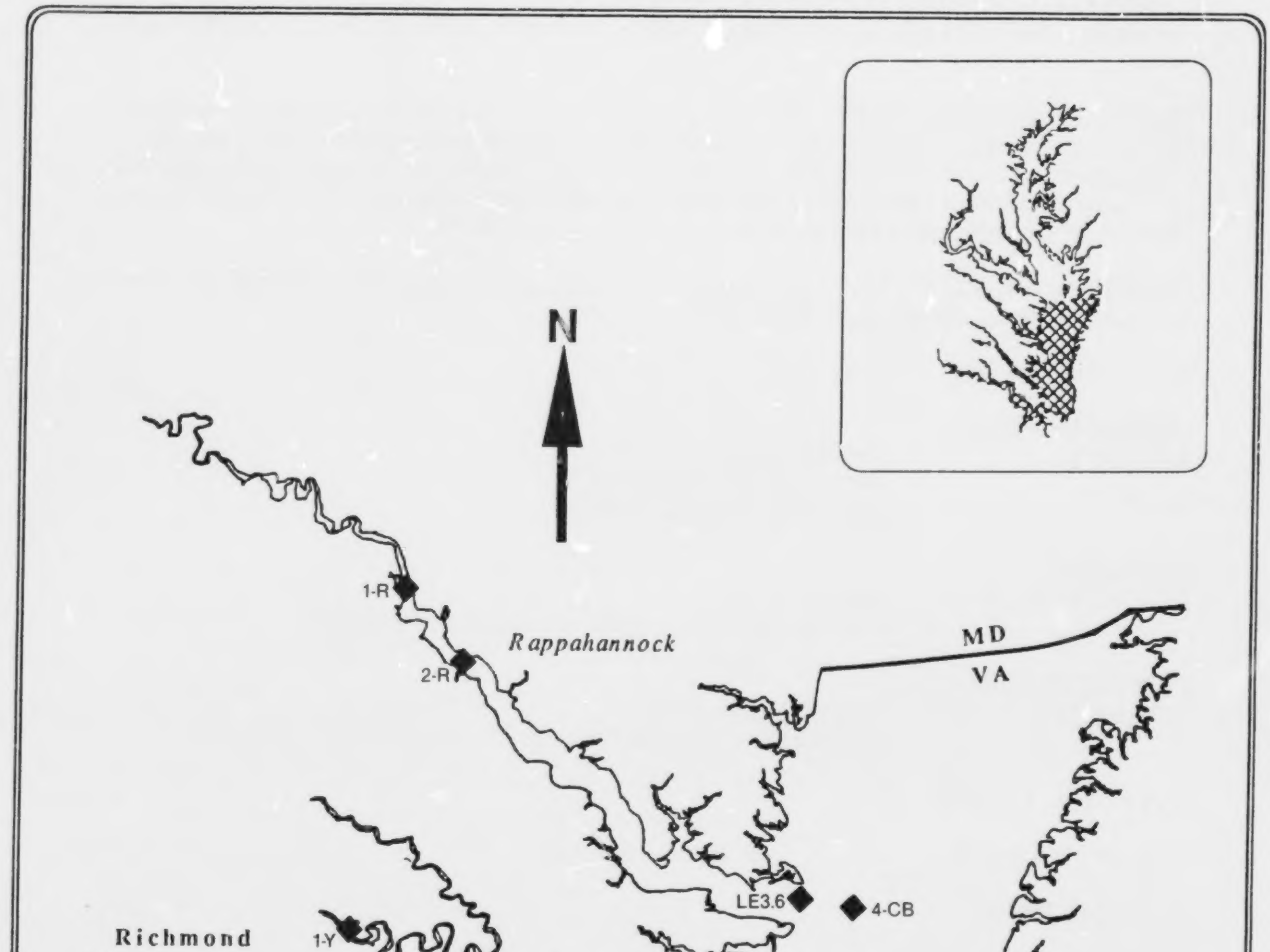
Samples are preserved with formalin and processed according to the coefficient of variation stabilizing (CVS) method, and densities and species identifications are determined.

PROGRAM INTEGRATION: Zooplankton monitoring in Virginia is performed in conjunction with phytoplankton and water quality monitoring in the state.

VIRGINIA ZOOPLANKTON MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	36 59 48	76 18 12	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOUTH OF JAMES RIVER
1-CB	37 13 43	76 03 15	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE CHANNEL ARE
1-J	37 18 46	77 13 59	TF-5	JAMES	LOWER JAMES	2080206	RED BUOY #107, JRWQMP STAT. #13
1-R	38 01 07	76 54 30	TF-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	VIMS SLACK WATER #N40
1-Y	37 34 47	77 01 19	TF-4	YORK	PAMUNKEY	2080106	WHITEHOUSE
2-J	37 12 36	76 47 36	RET-5	JAMES	LOWER JAMES	2080206	SWANN'S PT., JRWQMP STA #19
2-R	37 55 12	76 49 18	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NORTH OF BUOY R10, VIMS SLACK
2-Y	37 30 24	76 47 18	RET-4	YORK	YORK	2080107	VIMS SLACK WATER #C57
3-CB	37 14 11	76 12 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CENTRAL BAY OFF SHORE FROM YORK
4	36 59 36	76 00 38	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	BALTIMORE CHANNEL AT THE BAY BR
4-CB	37 35 18	76 09 45	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER WEST CENTRAL CHESAPEAKE B
LE3.6	37 35 48	76 17 06	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOUTH OF RAPPAHANNOCK RIVER
WE4.2	37 14 30	76 23 12	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY AT THE MOUTH OF YOR

VIRGINIA ZOOPLANKTON MONITORING STATIONS


N
1-R
2-R
Rappahannock
MD
VA
LE3.6
4-CB
Richmond
1-Y
2-Y
York
1-J
2-J
WE4.2
3-CB
1-CB
James
1
4
SCALE 1:971,650
0
10
20
30
MILES

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING PROGRAM - ZOOPLANKTON COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Recreation Pond Monitoring Program - Zooplankton Component is conducted in two ponds created as part of mitigation efforts outlined in the Station's 401 Certificate. The recreation ponds draw water from and discharge back into Back Creek downstream of the Pumped Storage Station's lower reservoir. Monitoring is conducted at four stations, two stations in each pond.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the fishery potential of the recreation ponds.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Zooplankton Abundance
Zooplankton Identification
Dry Weight Biomass

STATIONS: There are four stations - two each in the two recreation ponds near the Bath County Pumped Storage Station.

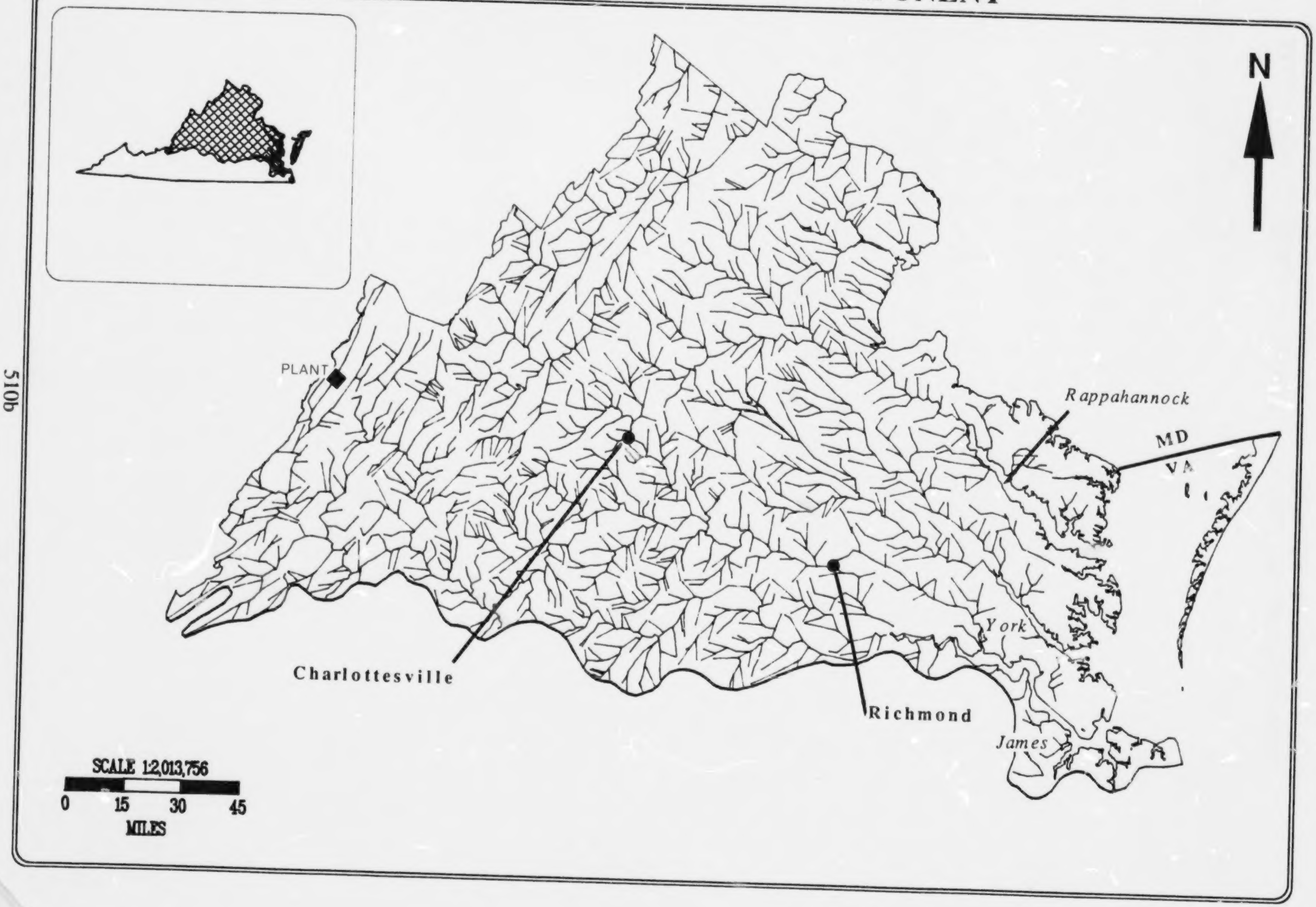
SAMPLE COLLECTION: Monitoring is conducted semi-annually at two stations in each pond (four stations altogether). Replicate zooplankton vertical tows are conducted at each station, one to be used for zooplankton identification and enumeration and the other for dry weight determinations to estimate relative biomass.

PROGRAM INTEGRATION: Zooplankton monitoring is one component of this program which also involves water quality, phytoplankton, benthic invertebrate and finfish monitoring.

BATH COUNTY PUMPED STORAGE RECREATIONAL POND MONITORING STATIONS - ZOOPLANKTON COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - ZOOPLANKTON COMPONENT


N
PLANT
Charlottesville
Richmond
Rappahannock
York
James
MD
VA
SCALE 1:2,013,756
0
15
30
45
MILES

NEW YORK BENTHIC MACROINVERTEBRATE MONITORING PROGRAM

PROGRAM DESCRIPTION: The New York Benthic Macroinvertebrate Monitoring Program has recently been developed, and consists of annual sampling at key stations throughout the state as well as an ongoing series of intensive cyclical basin studies. Four stations within the Susquehanna River basin are monitored once per year during the full sampling cycle. For the cyclical basin studies, the major drainage basins of the state have been divided into three groups, with each being intensively monitored during two successive years within a six year cycle. The Susquehanna River Basin is scheduled to begin its first two year intensive monitoring in 1991-1992.

PROGRAM OBJECTIVES: To produce timely, definitive statements on macroinvertebrate community structure and to discern trends from detailed, interrelated, uniformly collected information.

DATE INITIATED: 1987

COORDINATING AGENCY:

New York State Department of Environmental Conservation
Bureau of Monitoring Assessment, Room 328
50 Wolf Road
Albany, New York 12233-3505

FUNDING AGENCY: New York State Department of Environmental Conservation

PARTICIPATING AGENCY: New York State Department of Environmental Conservation (NYDEC)

PRINCIPAL INVESTIGATOR:

Principal Investigator	Robert Bode	NYDEC

PARAMETERS:

Taxa Identification
Taxa Abundance
Taxa Diversity

STATIONS: There are four key stations in the Susquehanna River Basin. Approximately 10 additional stations, many of which are stations sampled through a different program in the past, will be sampled during the two year intensive survey.

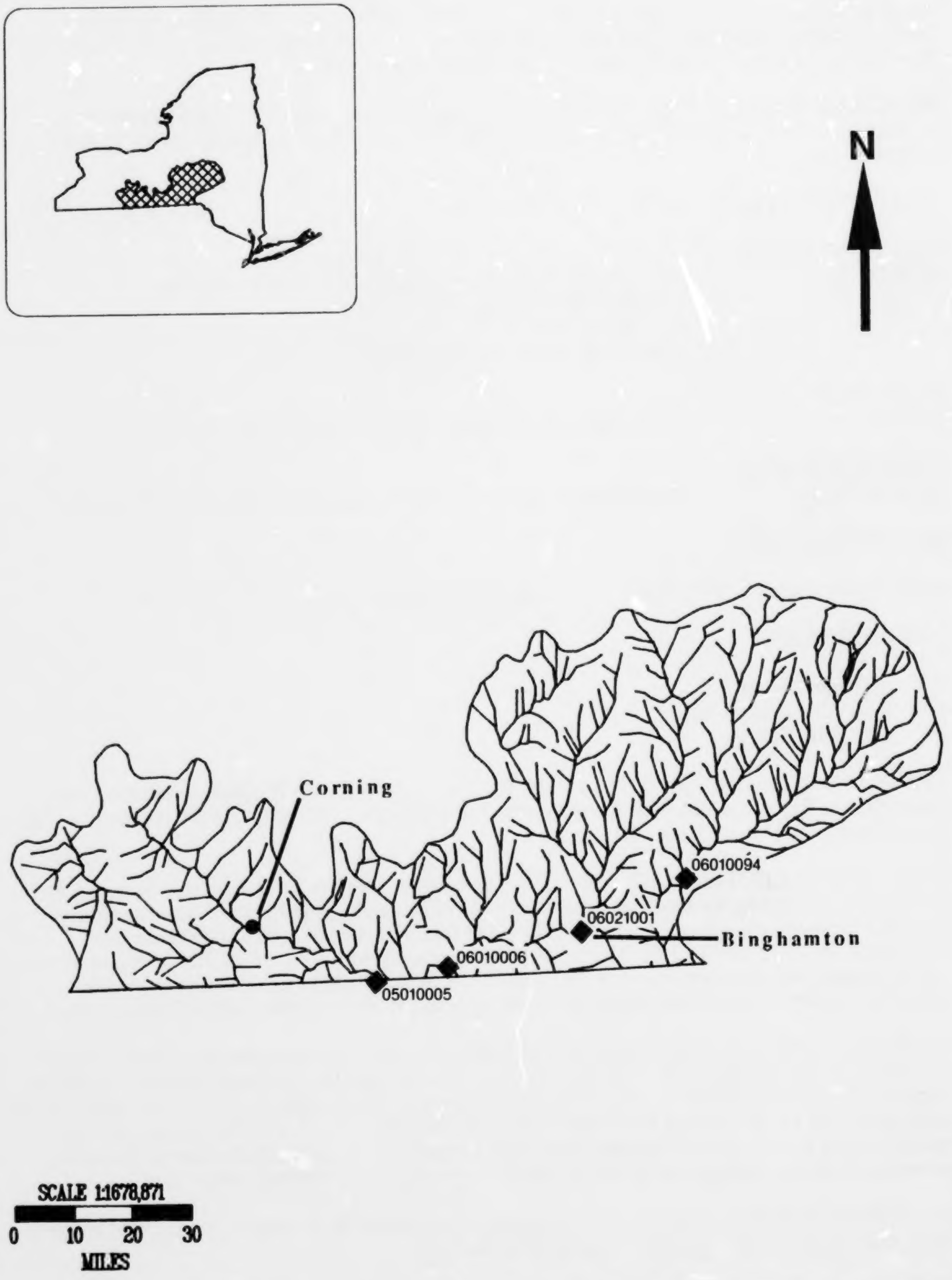
SAMPLE COLLECTION: Samples are collected once per year between intensive surveys, and approximately nine times per year during each intensive two year cycle. In fast moving streams, a five minute kick method of sampling is utilized. In deeper water, multi-plate sampling is performed.

PROGRAM INTEGRATION: This program is conducted in conjunction with the New York Water Quality Assessment Program.

NEW YORK BENTHIC MACROINVERTEBRATE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
05010005	42 00 10	76 38 06	AFL	SUSQUEHANNA	CHEMUNG	2050105	CHEMUNG RIVER IN CHEMUNG
06010006	42 01 45	76 23 06	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	SUSQUEHANNA RIVER, SMITHBORO AT
06010094	42 13 38	75 31 28	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	SUSQUEHANNA RIVER IN AFTON AT R
06021001	42 06 11	75 54 54	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	CHENANGO RIVER IN BINGHAMTON AT

NEW YORK BENTHIC MACROINVERTEBRATE MONITORING STATIONS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06021001
Binghamton
06010006
05010005
SCALE 1:1678,871
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10
20
30
MILES

PENNSYLVANIA BENTHIC MACROINVERTEBRATE SURVEY

PROGRAM DESCRIPTION: The Pennsylvania Benthic Macroinvertebrate Survey is designed to supplement data obtained through the water quality network on the condition of Pennsylvania's waterways. Through it, macroinvertebrates are sampled once a year during low flow between August 1 and October 31 at all water quality stations.

PROGRAM OBJECTIVES: To assess long- and short-term trends in macroinvertebrate populations and to monitor the progress of the Commonwealth's water quality management program.

DATE INITIATED: 1975

COORDINATING AGENCY:
Pennsylvania Department of Environmental Resources
Bureau of Water Quality Management
P.O. Box 2063
Harrisburg, Pennsylvania 17120

FUNDING AGENCY: Pennsylvania Department of Environmental Resources

PARTICIPATING AGENCIES: Pennsylvania Department of Environmental Resources (PADER)

INVESTIGATORS:

Water Quality Assessment Chief	Robert J. Schott	PADER

PARAMETERS:

Species Identification
Five Most Abundant Species
Five Most Rare Species

STATIONS: There are 164 stations sampled in this program, with 70 stations located in the Susquehanna River and Potomac River basins. The stations for this program are the same as for the Pennsylvania Water Quality Network.

SAMPLE COLLECTION: All stations are sampled on a yearly basis between August 1 and October 31. Sampling for macroinvertebrates and water quality is performed simultaneously. Macroinvertebrate collections are made with a 3x3 foot kick screen with 800-900 μm mesh. Organisms are dislodged by kicking the substrate upstream from the screen. Relative abundances and presence/absence determinations are made in the field. Samples are identified to genus whenever possible. Some specimens are taken back to the lab for further identification if needed.

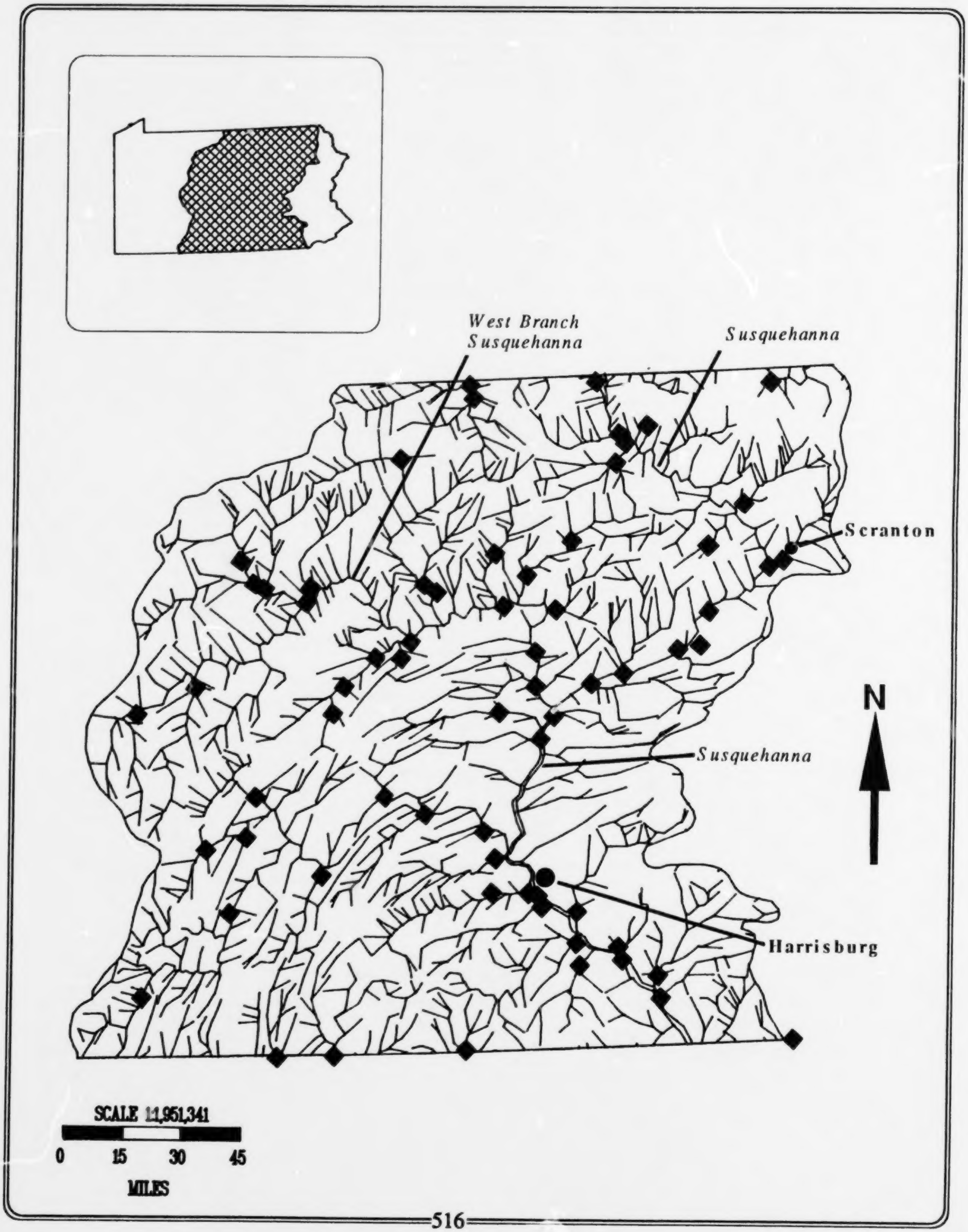
Various types of sampling equipment may be used on the rare occasions that quantitative data is desirable. These include the Surber sampler, Hess sampler and Hester-Dendy artificial substrate sampler. Organisms are dislodged within the periphery of the sampler, placed in 70% ethanol and taken to the lab for processing and identification. When using the Hester-Dendy sampler, the sampler is left in the stream for a minimum of five weeks. The colonized sampler is placed in preservative and taken back to the lab for processing and identification of organisms.

PROGRAM INTEGRATION: This program is carried out in conjunction with, and at the same stations as, Pennsylvania's Water Quality Network.

PENNSYLVANIA BENTHIC MACROINVERTEBRATE SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
N0201	40 01 44	76 31 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA		
N0202	40 15 27	76 53 12	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050306	PA RTE 462 COLUMBIA WRIGHTSVILL
N0203	40 51 15	76 48 21	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050305	SUSQU. R. AT WALNUT ST. BR. IN
N0204	39 53 34	76 21 29	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050301	VETERANS MEMORIAL BR. BTWN SUNB
N0206	40 03 19	76 31 33	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	PEQUEA CREEK 5,000' UPSTRM FR M
N0207	40 00 39	76 42 38	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	CHICKIES CREEK AT RT 441 BRIDGE
N0210	40 04 52	76 43 04	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	CODORUS CREEK AT LR66021 BRIDGE
N0211	40 11 58	76 43 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050306	W. CONEWAGO CR AT ROUTE 181 BRI
N0212	40 13 27	76 51 38	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	SWATARA CR. AT RT 441 BRIDGE IN
N0213	40 15 36	77 06 11	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	RT 111 BRIDGE ST. BR. AT NEW CU
N0214	40 28 42	77 07 46	AFL	SUSQUEHANNA	LOWER JUNIATA	2050305	CONODOGUINET CR NR COUNTRY MANO
N0217	40 36 33	78 08 11	AFL	SUSQUEHANNA	UPPER JUNIATA	2050304	JUNIATA R. AT ROUTE 34 BRIDGE I
N0220	40 35 46	77 34 24	AFL	SUSQUEHANNA	LOWER JUNIATA	2050302	L JUNIATA R, AT PA 45 BRIDGE AT
N0223	40 12 54	78 15 54	AFL	SUSQUEHANNA	RAYSTOWN	2050304	KISHACOQUILLAS CR, MAIN STREET
N0224	40 28 36	78 10 39	AFL	SUSQUEHANNA	UPPER JUNIATA	2050303	RAYSTOWN BR JUNIATA R. PR913 BR
N0228	40 46 29	76 52 11	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050302	FRANKSTOWN BR JUNIATA R, R&R BR
N0229	40 51 59	77 02 56	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	MIDDLE CR, OLD US 11 & 15 BR. I
N0231	39 57 41	76 21 57	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050301	PENNS CREEK, PA RT 104 BR AT VI
N0240	40 16 16	76 54 53	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050306	CONESTOGA CREEK AT T-561 BRIDGE
N0243	40 22 50	77 04 57	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	CONODOGUINET CREEK MOUTH, NEAR
N0245	40 31 45	77 23 32	AFL	SUSQUEHANNA	LOWER JUNIATA	2050305	SHERMANS CR. NEAR DUNCANNON AT
N0249	40 20 05	77 51 37	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	TUSCARORA CR, PA RTE 75 BR.
N0252	40 25 51	78 21 45	AFL	SUSQUEHANNA	UPPER JUNIATA	2050304	AUGHWICH CR, TR 403 AT AUGHWICK
N0256	39 43 47	75 46 12	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2050302	BEAVERDAM BR JUNIATA R. 2000 FT
N0301	40 57 29	76 37 10	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2060002	BIG ELK CR, STRICKERSVILLE RD B
N0302	41 11 19	76 05 13	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	N.BR.SUSQUEHANNA R, PR 54 BRIDG
N0303	41 21 00	75 48 05	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	SUSQUEHANNA R, RT11 BR. NR RETR
N0305	41 45 55	76 26 28	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050107	SUSQUEHANNA R, COXTON RR BR IN
N0306	41 57 48	75 44 33	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050106	SUSQUEHANNA R, BRIDGE ON RT 6 A
N0308	40 59 42	76 28 25	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050101	SUSQUEHANNA R, ROUTE 11 BRIDGE
N0309	41 03 18	76 13 54	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	FISHING CR, RT 42 BRIDGE IN HEM
N0310	41 04 17	76 08 02	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	NESCOPECK CREEK, BRIDGE ON LR 4
N0313	41 21 33	75 44 41	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	WAPWALLOPEN CR, RT239 BR IN CON
N0317	41 33 29	75 53 42	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050107	LACKAWANNA R, BRIDGE ST. BR IN
N0318	41 42 29	76 29 06	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	TUNKHANNOCK CREEK, BRIDGE ON RT
N0320	41 59 46	77 08 32	AFL	SUSQUEHANNA	TIOGA	2050106	TOWANDA CREEK AT RT 220 BRIDGE
N0324	41 57 27	77 06 58	AFL	SUSQUEHANNA	TIOGA	2050104	COWANESQUE RIVER 1 MI UPSTR FR
N0332	41 58 41	76 32 58	AFL	SUSQUEHANNA	CHEMUNG	2050104	TIOGA R, BRIDGE ON TR773, LAWRE
N0333	41 47 24	76 27 43	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050105	CHEMUNG RIVER LR08066 BR.
N0334	41 41 49	76 13 52	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	LR08191 BR
N0335	41 49 50	76 21 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	PA RT 706 BR. AT MERRYALL
N0337	41 24 57	76 05 27	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	PA RT 467 BR.
N0401	40 58 02	76 52 45	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050106	T310 BR NEAR STULL
N0402	41 13 44	77 01 09	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	W. BR. SUSQUEHANNA RIVER AT PA
N0406	40 53 49	78 40 38	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050206	W.BR.SUSQ. R, MAYNARD ST BR IN
N0407	41 13 02	76 47 15	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050201	W.BR.SUSQUEHANNA R, T-418 BRG I
N0408	41 19 31	76 54 43	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	MUNCY CREEK, OLD RT 147 BR
N0409	41 25 06	77 01 59	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	LOYALSOCK CR, PR 973 BRG AT LOY
N0410	41 16 59	77 19 21	AFL	SUSQUEHANNA	PINE	2050206	LYCOMING CR, TR 840 BRG IN LEWI
N0412	41 07 35	77 26 00	AFL	SUSQUEHANNA	MIDDLE WEST BRANCH SUSQUEHANNA	2050205	PINE CR, RxR BR AT RAMSEY
N0413	40 58 31	77 44 35	AFL	SUSQUEHANNA	BALD EAGLE	2050203	BALD EAGLE CR, LR18013 BR. AT C
N0415	40 53 23	77 47 40	AFL	SUSQUEHANNA	BALD EAGLE	2050204	BALD EAGLE CR, LR 14010 BRIDGE
N0418	41 15 41	77 54 10	AFL	SUSQUEHANNA	MIDDLE WEST BRANCH SUSQUEHANNA	2050204	SPRING CR, LR14040 HARTELL'S BR
N0419	41 19 12	78 04 51	AFL	SUSQUEHANNA	SINNEMAHONING	2050203	SINNEMAHONING CR, LR18001 BR AT
N0420	41 24 48	78 11 50	AFL	SUSQUEHANNA	SINNEMAHONING	2050202	FIRST FORK SINNEMAHONING CREEK,
N0422	40 59 09	78 24 22	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050202	DRFWD BR SINNEMAHONG LR12004 BR
N0423	41 04 29	77 35 32	AFL	SUSQUEHANNA	BALD EAGLE	2050201	CLEARFIELD CR, PA RT 153
N0427	41 04 29	76 52 21	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050204	US 220 BRIDGE AT BEECH CREEK
N0428	41 27 22	76 41 24	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	WHITE DEER CR, US 15 BRIDGE IN
N0429	41 18 34	77 21 45	AFL	SUSQUEHANNA	PINE	2050206	LOYALSOCK CREEK PA RT 87 BR NR
N0430	41 44 15	77 25 50	AFL	SUSQUEHANNA	PINE	2050205	LITTLE PINE CR, PA RT 44 BRG AT
N0433	41 04 31	77 28 40	AFL	SUSQUEHANNA	BALD EAGLE	2050205	PINE CREEK DNSTRM FR CONFL W/ M
N0434	41 19 10	77 52 25	AFL	SUSQUEHANNA	MIDDLE WEST BRANCH SUSQUEHANNA	2050204	FISHING CR, LR18007 BR NEAR CED
N0439	41 20 02	78 08 10	AFL	SUSQUEHANNA	SINNEMAHONING	2050203	KETTLE CR, 3.2 MI UPSTRM FR PA
N0501	39 30 24	77 47 27	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2050202	BENNETT BRANCH, T343 BRIDGE S O
N0503	39 44 00	77 13 45	AFL	POTOMAC	MONOCACY	2070004	CONOCOCHEAGUE CR 0.5 MI DNSTRM
N0505	39 43 23	78 03 37	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070009	ROCK CREEK SR 3002 BRIDGE
N0506	39 55 37	78 39 36	AFL	SUSQUEHANNA	RAYSTOWN	2070004	LICKING CREEK SR0456 BR AT PA/M
						2050303	LITTLE WILLS CREEK, SR0096 BR A

PENNSYLVANIA BENTHIC MACROINVERTEBRATE SURVEY STATIONS


West Branch Susquehanna
Susquehanna
Scranton
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
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15
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MILES

SUSQUEHANNA RIVER BASIN COMMISSION INTERSTATE MACROINVERTEBRATE MONITORING

PROGRAM DESCRIPTION: The Susquehanna River Basin Commission Interstate Macroinvertebrate Monitoring Program samples approximately 39 stations on the New York - Pennsylvania and the Maryland - Pennsylvania borders for benthic macroinvertebrate populations. These stations are sampled on an annual basis during low flow period (July-August) during a water quality survey of all interstate streams.

PROGRAM OBJECTIVES: To monitor biological factors as indicators of water quality.

DATE INITIATED: August 1986

COORDINATING AGENCY:

Susquehanna River Basin Commission
1721 North Front Street
Harrisburg, Pennsylvania 17102

FUNDING AGENCY:

U.S. EPA Region III
Pennsylvania Department of Environmental Resources

PARTICIPATING AGENCIES:

Susquehanna River Basin Commission (SRBC)
Pennsylvania Department of Environmental Resources (PADER)

INVESTIGATORS:

Program Coordinator	Jerry Hollowell	SRBC
Principal Investigator	Carl McMorran	SRBC

PARAMETERS:

Species Identification
Species Diversity
Species Density
Species Abundance

STATIONS: There are approximately 39 stations sampled annually. All stations are located near either the New York or Maryland borders of Pennsylvania.

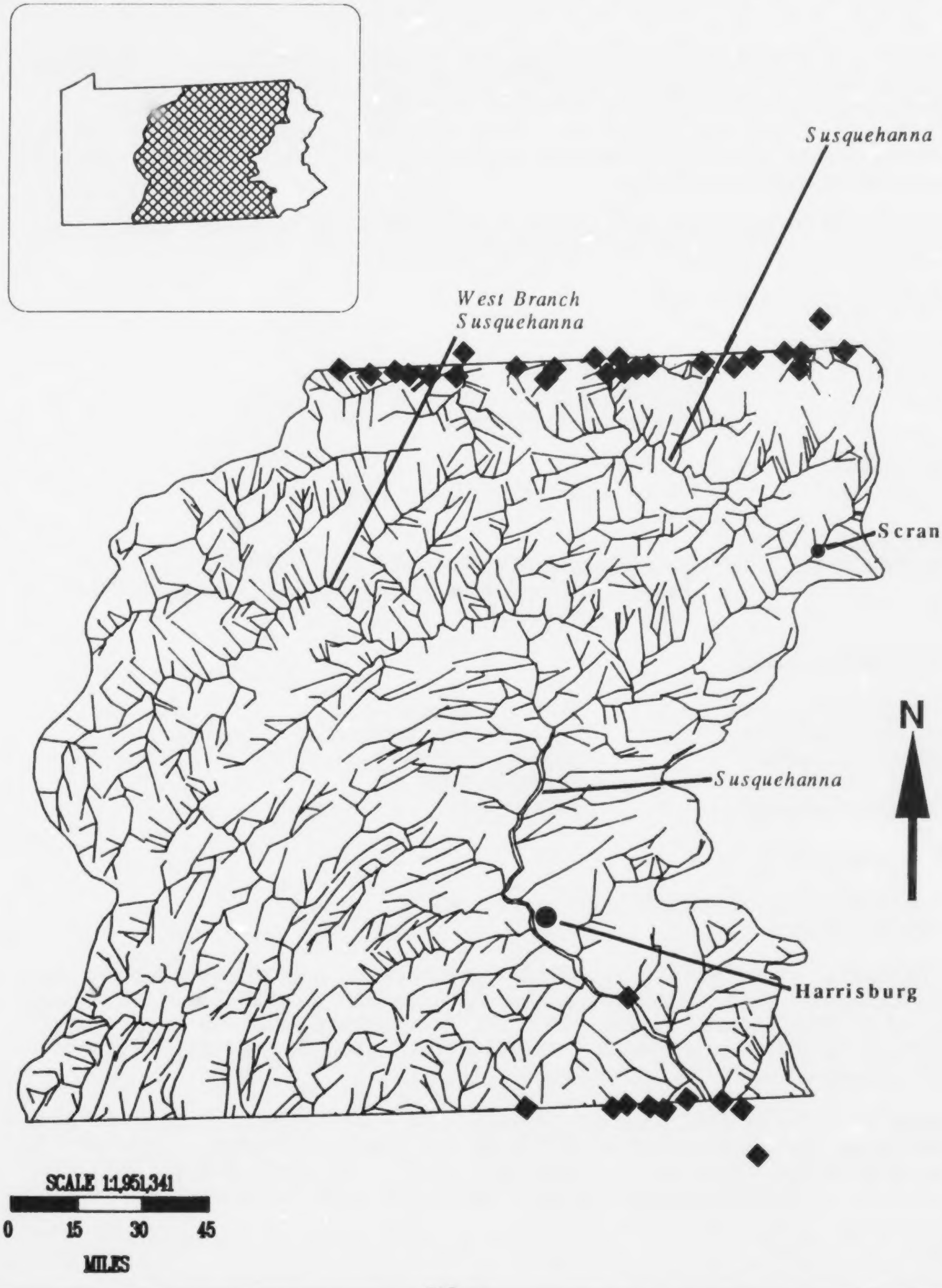
SAMPLE COLLECTION: Sampling is conducted either by using a kick screen or a Surber sampler. The kick screen is used to collect macroinvertebrate specimens for compiling a species list. Macroinvertebrate density is estimated by collecting bottom samples with a Surber sampler, a net that encloses one square foot of bottom area. Specimens are preserved with formalin for later identification.

PROGRAM INTEGRATION: SRBC's annual macroinvertebrate monitoring is a component of the Interstate Water Quality Monitoring Program.

SUSQUEHANNA RIVER BASIN COMMISSION INTERSTATE MACROINVERTEBRATE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
APAL6.9	41 59 41	76 07 59	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	APPALACHIAN CREEK
BBCC4.1	39 43 01	76 29 30	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BIG BRANCH DEER CREEK
BNTY0.9	42 00 34	76 43 48	AFL	SUSQUEHANNA	CHEMUNG	2050105	BENTLEY CREEK
BRHR0.1	41 59 46	76 20 37	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	BRIGGS HOLLOW RUN
CACS1.6	42 00 01	75 34 45	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	CASCADE CREEK
CAYT1.7	42 00 00	76 31 24	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	CAYUTA CREEK AT WAVERLY, NY
CHEM12.0	42 00 08	76 28 06	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	CHEMUNG, NY
CHOC9.1	41 59 27	76 00 04	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	CHOCONUT CREEK
CNWG4.4	39 43 32	76 11 08	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	CONOWINGO CREEK AT PLEASANT GRO
COWN2.2	41 59 20	77 08 51	AFL	SUSQUEHANNA	TIOGA	2050104	COWANESQUE RIVER
CPBK2.0	41 59 50	77 20 15	AFL	SUSQUEHANNA	TIOGA	2050104	CAMP BROOK CREEK
DEER44.2	39 43 02	76 35 10	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DEER CREEK NR NORRISVILLE, MD
EBAV1.5	39 43 29	76 35 45	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	EBAUGHS CREEK NR STEWARTSTOWN,
FBDC4.1	39 42 44	76 26 33	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	FALLING BRANCH DEER CREEK
HESS0.1	41 58 39	77 15 00	AFL	SUSQUEHANNA	TIOGA	2050104	BILL HESS CREEK
HLDN3.5	42 00 15	77 23 34	AFL	SUSQUEHANNA	TIOGA	2050104	HOLDEN CREEK
LNGA2.5	39 43 31	76 58 55	AFL	POTOMAC	MONOCACY	2070009	LONG ARM CREEK
LSNK7.6	41 59 49	75 53 53	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	LITTLE SNAKE CREEK
NFCR7.6	41 59 48	77 37 22	AFL	SUSQUEHANNA	TIOGA	2050104	NORTH FORK COWANESQUE CREEK
OCTO6.6	39 42 24	76 06 57	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	OCTORARO CREEK AT NEW BRIDGE, M
PARK0.7	41 59 54	76 27 36	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	PARKS CREEK
SACK2.6	41 59 42	76 23 48	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	SACKETT CREEK
SBCC20.4	39 43 32	76 58 50	AFL	POTOMAC	MONOCACY	2070009	SOUTH BRANCH CONEWAGO CREEK
SCTT3.0	39 43 24	76 20 14	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SCOTT CREEK
SEEL10.3	42 00 03	76 54 12	AFL	SUSQUEHANNA	CHEMUNG	2050105	SEELLEY CREEK, NY
SNAK2.3	41 59 37	75 47 42	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	SNAKE CREEK NR BROOKDALE, PA
SOUT2.8	41 59 20	76 46 26	AFL	SUSQUEHANNA	CHEMUNG	2050105	SOUTH CREEK
SUSQ289.1	41 59 05	76 30 05	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	SAYRE, PA
SUSQ340.0	41 57 58	75 44 33	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	KIRKWOOD, NY
SUSQ365.0	42 04 28	75 38 14	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	WINDSOR, NY
SUSQ4.8	39 34 16	76 05 32	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	PORT DEPOSIT
SUSQ44.5	40 03 16	76 31 52	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	COLUMBIA, PA
TIOG10.8	42 01 44	77 07 57	AFL	SUSQUEHANNA	TIOGA	2050104	TIOGA RIVER AT LINDLEY, NY
TROW1.8	42 00 00	75 43 54	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	TROWBRIDGE CREEK
TRUP4.5	41 59 23	77 29 31	AFL	SUSQUEHANNA	TIOGA	2050104	TROUPS CREEK
WAPP2.6	41 59 39	76 20 40	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	WAPPASENING CREEK

SUSQUEHANNA RIVER BASIN COMMISSION INTERSTATE MACROINVERTEBRATE MONITORING STATIONS


Susquehanna
West Branch Susquehanna
Scranton
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Susquehanna
Harrisburg
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MILES

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE PROGRAM - BENTHIC MACROINVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Montour Steam Electric Station Environmental Monitoring and Surveillance Program (EMSP) - Benthic Macroinvertebrate Component is designed to qualitatively assess environmental impacts of this fossil-fueled generating station on the Chillisquaque Creek. Monitoring is conducted in the spring, summer and fall of each year at six stations. Benthic Macroinvertebrate monitoring is one component of EMSP which also involves water quality and fish monitoring.

PROGRAM OBJECTIVE: To assess environmental impacts of the Montour Steam Electric Station on the Chillisquaque Creek, which receives the power station effluents.

DATE INITIATED: 1981

COORDINATING AGENCY:

Pennsylvania Power and Light Company
Environmental Management Division
Allentown, Pennsylvania 18101-1179

FUNDING AGENCY: Pennsylvania Power and Light Company

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Pennsylvania Department of Environmental Resources (PADER)
Burke Environmental Consulting (BEC)

INVESTIGATORS:

Principal Investigator	William F. Skinner	PP&L
Principal Investigator	Robert B. Domermuth	PP&L
Principal Investigator	Ronald E. Hughey	PADER
Principal Investigator	Ronald A. Topel	PADER
Principal Investigator	John M. Burke	BEC

PARAMETERS:

Relative Abundance and Distribution
Taxa Identification

STATIONS: There are four biological EMSP stations located in the vicinity of Montour Steam Electric Station. Station 2 extends from 500 to 700 m upstream of outfall 050, station 3 extends from L.R. 47015 bridge crossing to a point 250 m downstream of outfall 050, station 4 extends 700 to 900 m above the west branch - mainstem confluence, and station 5 extends 450 to 650 m downstream of Route 54 bridge crossing.

SAMPLE COLLECTION: Sampling is conducted on a seasonal basis (spring, summer and fall) and consists of vigorous kicking of riffle substrate to dislodge organisms. These are subsequently carried downstream and collected in a D-frame dip net equipped with 800 x 900 μ mesh netting. Collecting continues for approximately three minutes, while attempting to sample the various depth/current velocity/substrate combinations occurring within the riffle. Following collection, net contents are transferred to a water filled bucket and organisms clinging to the net are removed.

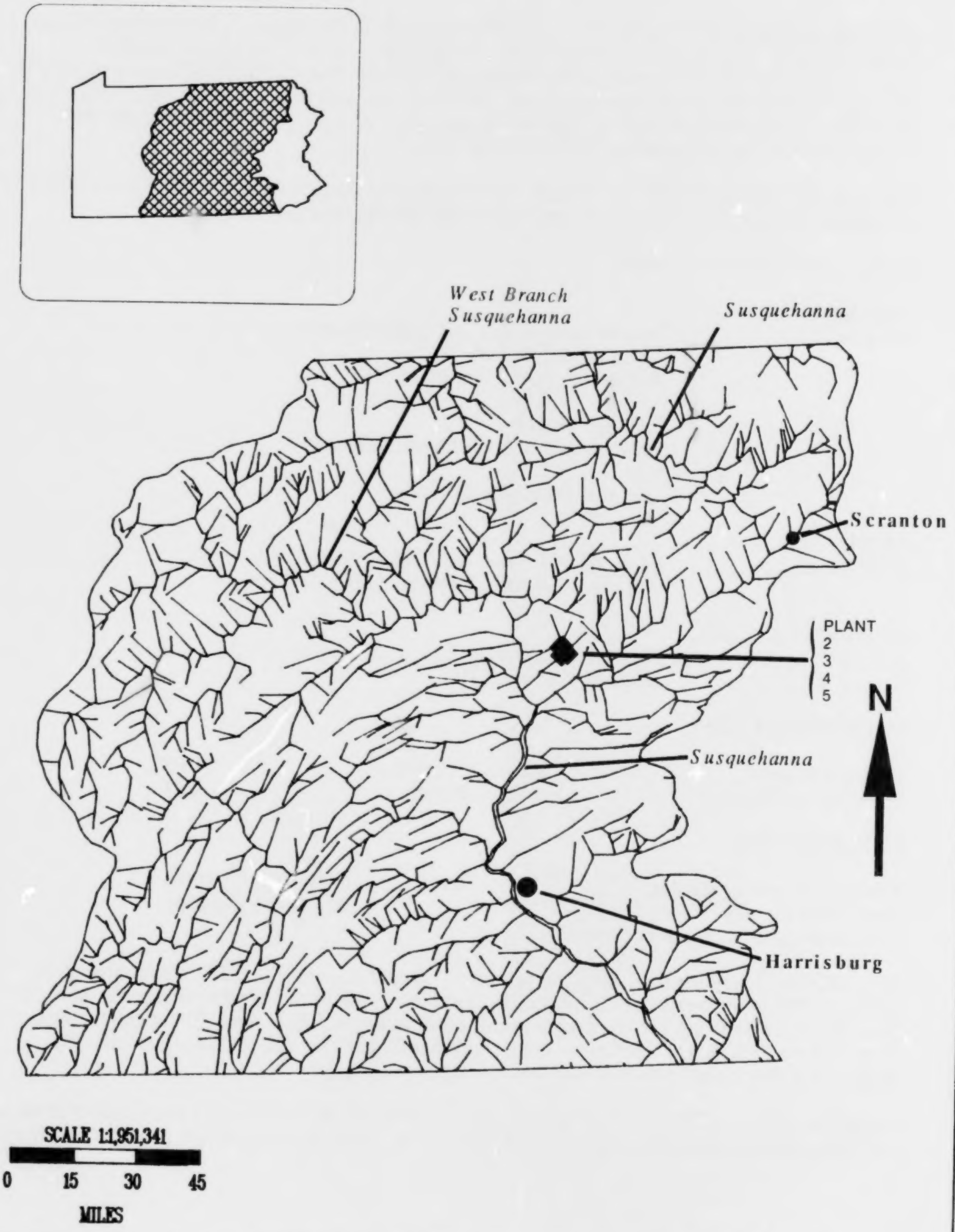
Bucket contents are washed through a 500 µ (No.35) mesh sieve, with resultant material being placed in plastic gallon containers. A 10% formalin solution is added to preserve organisms for laboratory processing. Lab procedures consist of separating organisms from debris and identifying specimens to the lowest practical taxonomic level.

PROGRAM INTEGRATION: The Montour Steam Electric Station Environmental Monitoring and Surveillance Program - Benthic Macroinvertebrate Component is one of three components of the EMSP program.

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
2	41 04 32	76 40 18	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	500-700 M UPSTREAM OF OUTFALL 0
3	41 04 11	76 40 32	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	LR47015 BRIDGE TO 350 M DOWNSTR
4	41 04 15	76 40 53	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	700-900 M ABOVE W. BRANCH-MAINS
5	41 03 44	76 40 51	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	450-600 M DOWNSTREAM RT. 54 BRI
PLANT	41 03 48	76 39 57	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	MONTOUR STEAM ELECTRIC STATION

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
PLANT
2
3
4
5
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING PROGRAM - BENTHIC MACROINVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Susquehanna Steam Electric Station Monitoring Program - Benthic Macroinvertebrate Component is one part of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station (Susquehanna SES). Through this program sampling is conducted three times per year (June, August, and October) at three sites - one control site upriver from the Susquehanna SES intake and two indicator sites downriver from the Susquehanna SES discharge diffuser.

PROGRAM OBJECTIVE: To evaluate the environmental impact of the Susquehanna SES by comparing preoperational (pre-1983) and operational benthic macroinvertebrate data.

DATE INITIATED: 1975

COORDINATING AGENCY:

Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Ecology III, Inc.
Susquehanna SES Biological Laboratory
R.D. 1
Berwick, Pennsylvania 18603

FUNDING AGENCY:

Pennsylvania Power and Light Company
Allegheny Electric Cooperative, Inc.

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Ecology III, Inc. (EIII)

INVESTIGATORS:

Program Director	Jerome S. Fields	PP&L
Principal Investigator	Linda S. Imes	EIII

PARAMETERS:

Benthic Macroinvertebrates:
Total Mean Density
Taxa Identification (genus or species)
% Taxa Composition
Total Mean Biomass

STATIONS: There are three sites in the vicinity of the Susquehanna SES. The control site SSES I is 850 m upriver from the intake intake structure and 30 m from the west bank, the Bell Bend III indicator site is 710 m downriver from the discharge diffuser and 70 m from the west bank, and the Bell Bend IV indicator site (established in 1986) is 710 m downriver from the discharge diffuser and 55 m from the west bank.

SAMPLE COLLECTION: Benthic samples are collected in June, August and October at each site from artificial substrates which consist of 8 acrylic plates, 20 x 30 cm and 13 mm thick, in two "detritus-free" holders. These are put in place approximately one month before the first sampling. Two density samples are collected from acrylic plates using a bar clamp sampler with samples collected on the downriver half of the plate at least 2 cm from any edge. The sampler cup encloses a 56.75 cm^2 area. A removable screened insert inside the cup retains the sample. As each plate is sampled and removed, replacement plates are installed for future sampling. In the laboratory, screens are removed from the sampler cups and washed. Organisms are removed by brushing and/or scraping. Sample material is pipetted from the cup, concentrated by sieving (180 micron mesh), and preserved in 10% buffered formalin. Organisms are later sorted, identified to genus or species and counted using a dissecting microscope (10-70x). Some chironomids are mounted on microscope slides and examined with a compound microscope (400-1000x) for identification. The number of organisms per square meter is determined by multiplying the number found in each sample by 176.2.

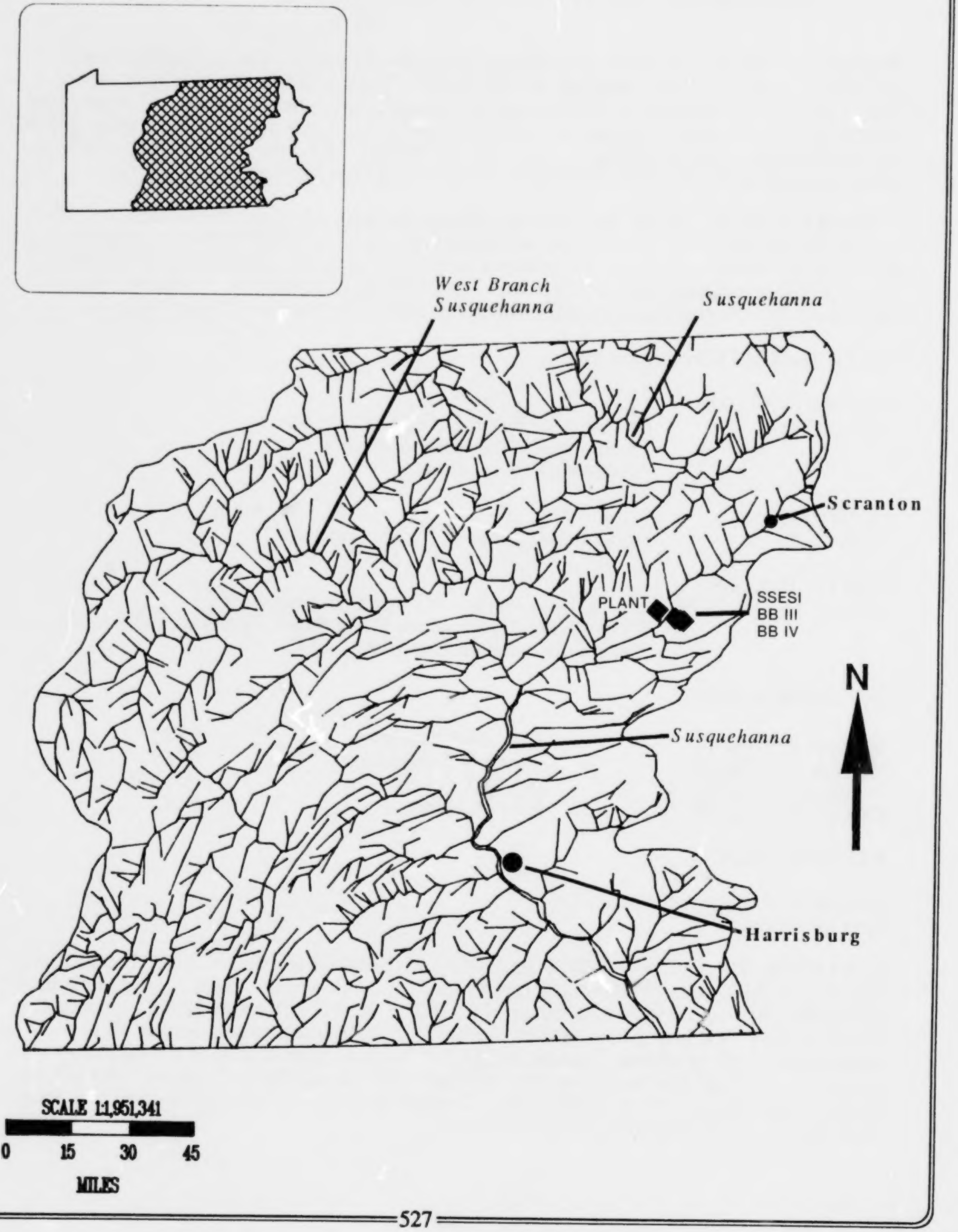
One biomass sample is also obtained at each site in June, August and October of each year from natural river substrate with a dome suction sampler. This sampler is lowered from a boat to the river bottom and a scuba diver moves it upriver to the first undisturbed area where an adequate seal between the sampler band and the substrate can be established. The diver then vacuums the substrate inside the sampler (0.163 m^2) for five minutes with a screened intake nozzle leading to the sampler's pump. Sediments and organisms are pumped into a nylon, 216 micron mesh net. The diver carefully vacuums large stones within the dome sampler and then discards them. In the laboratory, this sample is washed and sieved (841 micron mesh). It is then refrigerated or kept in ice water until organisms are sorted. By chilling the sample, it is possible to avoid the use of preservatives which distort organism weight. Before molluscs are weighed their shells are decalcified in 5% HCl. Processing is completed within 12 hours of collection. Organisms are sorted into major groups and then dried in aluminum foil containers at 100+/- 3°C for at least 12 hours, cooled to room temperature and weighed on a Mettler H10W balance. The mass of organisms per square meter is determined by multiplying the weight of each group by 6.1.

PROGRAM INTEGRATION: The Susquehanna Steam Electric Station Monitoring Program - Benthic Macroinvertebrate Component is one component of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
BB III	41 04 45	76 07 52	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	710M DOWNRIVER FROM DISCHARGE D
BB IV	41 04 45	76 07 54	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	710M DOWNRIVER, FROM DISCHARGER
PLANT	41 07 05	76 08 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	SUSQUEHANNA STEAM ELECTRIC STAT
SSESI	41 05 42	76 07 45	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	850M UPRIVER FROM INTAKE STRUCT

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
PLANT
SSESI
BB III
BB IV
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Susquehanna
Harrisburg
SCALE 1:1,951,341
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BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE PROGRAM - BENTHIC INVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Brunner Island Steam Electric Station Environmental Monitoring and Surveillance Program (BISES EMSP) - Benthic Invertebrate Component was initiated to provide a vehicle for identifying trends in operational effects on receiving water based on site-specific field data. Monitoring is conducted annually during the summer and biennially or triennially (depending on funding) at seven stations. Benthic invertebrate monitoring at BISES is one component of the EMSP which also involves water quality and finfish monitoring.

PROGRAM OBJECTIVE: To determine existing and probable impacts associated with the power plant's operations. To document and predict aquatic environmental changes resulting from operational and facility changes. To provide data to document short- and long-term impacts of major pollution incidents, should they occur. To provide data to determine if observed impacts result from BISES operations, operations of others, natural phenomena or a combination.

DATE INITIATED: June 1981

COORDINATING AGENCY:

Pennsylvania Power and Light Company
Environmental Management Division
Allentown, Pennsylvania

FUNDING AGENCY:

Pennsylvania Power and Light Company

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Pennsylvania Department of Environmental Resources (PADER)
Burke Environmental Consulting (BEC)

INVESTIGATORS:

Principal Investigator	William F. Skinner	PP&L
Principal Investigator	Robert B. Domermuth	PP&L
Principal Investigator	Robert J. Schott	PADER
Principal Investigator	John M. Burke	BEC

PARAMETERS:

Relative Abundance and Distribution
Taxa Identification

STATIONS: There are seven EMSP stations at which biological data are taken. Station 1 is at the northern tip of Brunner Island, just downriver from the Conewago Creek-Susquehanna River confluence. Station 3 is at the confluence of the BISES thermal effluent and the Susquehanna River. Station 5A is just downriver from the BISES Ash Basin #6 outfall. Station 5B is approximately 150 m offshore from the BISES Ash Basin #6 outfall. Station 6 is between the southern tip of Haldeman Island and the confluence of the Susquehanna River and Conroy Creek. Station 7 is at the southern tip of Ely Island. Station 8 is in the first major riffle downriver form the Conroy Creek/Susquehanna River confluence.

SAMPLE COLLECTION: Samples are collected each summer from lotic-erosional (riffle and/or run) habitats along the shoreline where the greatest impact from discharges would be expected. Sampling consists of vigorous kicking of the riffle substrate to dislodge organisms which are subsequently carried downstream and collected in a D-frame dip net (800 x 900 um). Collection continues for approximately three minutes while attempting to sample the various microhabitats (depth, current and substrate combinations).

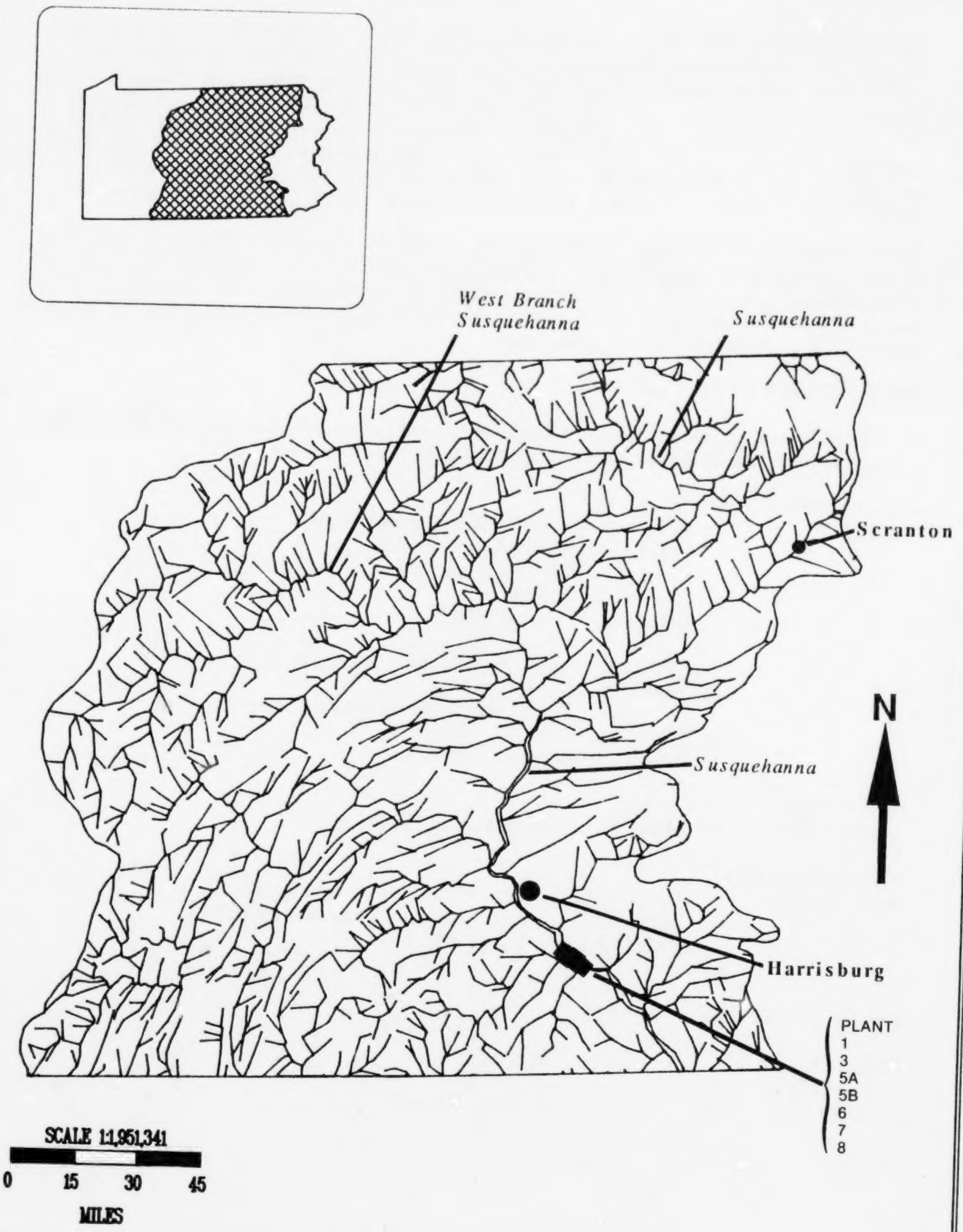
Following collection, net contents are transferred to a water filled bucket, with organisms clinging to the net carefully removed, and are washed through a 500 µm mesh (Standard No. 35) sieve. Material retained by the sieve is placed in a 1-gallon plastic jar and preserved with a 10% formalin solution. Samples are returned to the lab to be hand-sorted and identified.

PROGRAM INTEGRATION: The Brunner Island Steam Electric Station Environmental Monitoring and Surveillance Program - Benthic Invertebrate Component is one of three components of the BISES EMS program.

BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - BENTHIC INVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	40 06 39	76 42 30	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NORTHERN TIP OF BRUNNER ISLAND
3	40 05 26	76 41 13	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BISES THERMIC EFFLUENT/SUSQ. RI
5A	40 04 39	76 40 38	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DOWNSTREAM BISES ASH BASIN 6 OU
5B	40 04 43	76 40 26	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	150 M OFFSHORE BISES BASIN 6 OU
6	40 05 12	76 40 11	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SOUTHERN TIP OF HALDEMAN ISLAND
7	40 04 00	76 39 52	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SOUTHERN TIP OF ELY ISLAND
8	40 04 35	76 39 56	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DOWNSTREAM CONROY CR/SUSQ. RIVE
PLANT	40 05 49	76 41 56	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BRUNNER ISLAND STEAM ELECTRIC S

BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - BENTHIC INVERTEBRATE COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
Susquehanna
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Harrisburg
PLANT
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MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: BENTHIC ORGANISM COMPONENT

PROGRAM DESCRIPTION: The Maryland Chesapeake Bay Water Quality Monitoring Program: Benthic Organism Component is a joint effort of the Maryland Department of the Environment and the Maryland Department of Natural Resources, through their Chesapeake Bay Research and Monitoring Program (CBRM), formerly Power Plant Siting Program. Benthic monitoring is performed 10 times per year at 70 stations, 31 of which are historical CBRM locations. The current benthic monitoring program is built around CBRM benthic monitoring as it provides a long-term data record that can be used to place clean-up responses and power plant impacts into the context of natural fluctuations. Program revisions will be considered in 1990.

PROGRAM OBJECTIVES: To characterize spatial trends, annual cycles and abundance of benthic populations and identification of factors, both natural and anthropogenic, which determine or significantly influence distribution, abundance and seasonal dynamics of these populations. To assess long-term benthic responses to changes in water quality and short- and long-term effects of power plant operations on benthic organisms.

DATE INITIATED: July 1984

CBRM stations along the mainstem of the Bay have been sampled regularly since 1971. CBRM stations in the Potomac and Patuxent have been sampled regularly since 1980.

COORDINATING AGENCIES:

Maryland Department of the Environment
Water Management Administration
Chesapeake Bay and Special Projects Division
2500 Broening Highway
Baltimore, Maryland 21224

Maryland Department of Natural Resources
Tidewater Administration
Chesapeake Bay Research and Monitoring Division
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES: Maryland Department of the Environment

PARTICIPATING AGENCIES:

Maryland Department of the Environment (MDE)
Maryland Department of Natural Resources (MDDNR)
VERSAR ESM, Inc. (VERSAR)

INVESTIGATORS:

Project Officer	Michael Haire	MDE
Project Officer	Paul Miller	MDDNR
Principal Investigator	A. Fred Holland	VERSAR

PARAMETERS:

Ten times per year:
Temperature
Conductivity
Salinity
Dissolved Oxygen
pH
Species Identification
Species Abundance
Species Distribution
Biomass (Ashfree dry weight)
Silt-clay Composition
Carbon Content
Moisture Content
Interstitial Salinity

Once per year:
Sediment Median Diameter
Sorting Coefficient
Carbonate Content

At selected stations near Calvert Cliffs, Morgantown, and Chalk Point, length-frequencies of dominant clams are determined.

STATIONS: There are 70 stations located in Maryland portions of the Chesapeake Bay and the tidal portions of its major tributaries, the Patuxent, Potomac, Patapsco, Choptank, and Chester rivers.

SAMPLE COLLECTION: Benthic biota samples are collected monthly for 10 months of the year at 70 stations. MDDNR funds sampling at the 31 CBRM stations which are located in the mainstem Bay in the vicinity of Calvert Cliffs power plant and in the Potomac River in the vicinity of the Morgantown power plant. Stations near Calvert Cliffs have been sampled since 1971, and stations in the Potomac have been sampled since 1980. MDE funds sampling at the remaining 39 stations.

A surface to bottom profile of water temperature, salinity and dissolved oxygen is made using 3 meter depth intervals. Surface pH is measured, and the silt-clay, carbon and moisture content as a percentage of sediment dry weight, and interstitial salinity are recorded at each station. Five replicate biological samples are collected with a Ponar grab, a hand box corer or a hydraulically closing Van Veen-type grab depending on sediment type. A small (20ml) subsample of surface sediment is collected from each grab, and a larger (100ml) sample of surface sediment is obtained from an additional grab. All samples are frozen until analyzed and benthic samples field-sieved through a 0.5 mm screen with retained organisms and detritus preserved with formalin. Benthic invertebrates in three of the samples are then identified and counted, biomass (ash-free dry weight) of the 20 numerically dominant species determined and length frequencies of dominant clams are made. The two unprocessed replicates are archived. As the historical data record demonstrates that other mechanical properties of sediments such as median diameter, sorting coefficient and carbonate content exhibit little seasonal variation (2% total variation), a complete suite of mechanical sediment properties is analyzed for each station once per year.

PROGRAM INTEGRATION: N/A

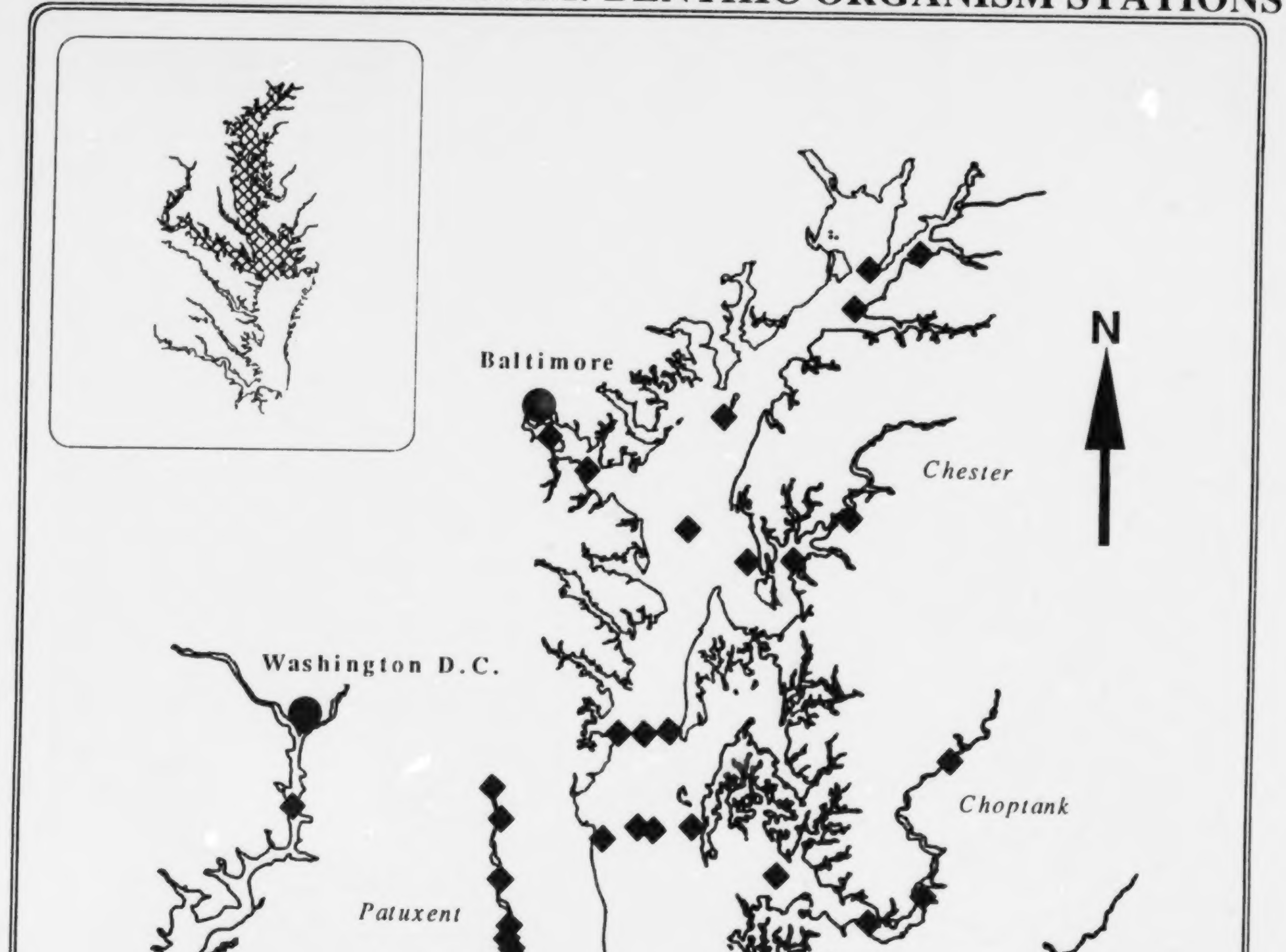
MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: BENTHIC ORGANISM STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
01	38 25 08	76 25 05	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF ROCKY POINT
02	38 25 16	76 24 18	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF ROCKY POINT
03	38 25 23	76 23 25	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF ROCKY POINT
04	38 26 16	76 21 37	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF TAYLORS ISLAND
05	38 26 51	76 19 41	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF TAYLORS ISLAND
06	38 26 32	76 26 36	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF CALVERT CLIFFS PO
07	38 26 31	76 26 21	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF CALVERT CLIFFS PO
08	38 27 10	76 25 32	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF CALVERT CLIFFS
09	38 27 21	76 26 55	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLAG POND
10	38 27 21	76 26 52	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLAG POND
11	38 27 46	76 26 01	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLAG POND
12	38 30 31	76 30 22	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH EAST OF SCIENTISTS CLIFFS
13	38 30 29	76 29 48	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH EAST OF SCIENTISTS CLIFFS
14	38 30 43	76 27 08	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SCIENTISTS CLIFFS
15	38 42 54	76 30 50	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH EAST OF HOLLAND POINT
16	38 43 51	76 27 05	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF HOLLAND POINT
17	38 43 42	76 26 06	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF HOLLAND POINT
18	38 43 43	76 21 50	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF TILGHMAN ISLAND
19	38 51 23	76 29 08	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF CURTIS POINT
20	38 51 26	76 26 10	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF CURTIS POINT
21	38 51 29	76 24 08	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BLOODY POINT
22	39 15 17	76 35 16	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH OF FORT McHENRY
23	39 12 29	76 31 25	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH EAST OF HAWKINS POINT
24	39 07 19	76 21 20	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN NECK
25	39 04 30	76 15 19	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN NECK NW OF WILSON POND
26	39 16 17	76 17 25	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER BAY SW OF POOLES ISLAND
27	39 24 23	76 03 40	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH EAST OF GROVE POINT
28	39 27 27	76 02 02	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH WEST OF TURKEY POINT
29	39 28 46	75 56 41	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FORD LANDING
36	38 46 11	77 02 16	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	SOUTH OF ROSIER BLUFF
38	38 29 07	77 17 37	RET-2	POTOMAC	LOWER POTOMAC	2070011	OFF SANDY POINT
39	38 21 56	77 13 23	RET-2	POTOMAC	LOWER POTOMAC	2070011	WEST OF MARYLAND POINT
40	38 21 26	77 13 51	RET-2	POTOMAC	LOWER POTOMAC	2070011	SOUTH WEST OF MARYLAND POINT
43	38 22 33	76 59 11	RET-2	POTOMAC	LOWER POTOMAC	2070011	SOUTH OF POPES CREEK
44	38 23 01	76 59 28	RET-2	POTOMAC	LOWER POTOMAC	2070011	SOUTH OF POPES CREEK
45	38 22 06	76 59 06	BFL	POTOMAC	LOWER POTOMAC	2070011	NORTH OF RT 301 BRIDGE NEAR AQU
46	38 22 02	76 59 19	RET-2	POTOMAC	LOWER POTOMAC	2070011	NORTH OF RT 301 BRIDGE NEAR AQU
47	38 21 26	76 59 01	RET-2	POTOMAC	LOWER POTOMAC	2070011	NEAR RT 301 BRIDGE
48	38 21 23	76 59 11	RET-2	POTOMAC	LOWER POTOMAC	2070011	SOUTH OF RT 301 BRIDGE
49	38 19 17	76 56 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER SE OF PICCOWAXEN
50	38 19 04	76 59 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER NEAR PICCOWAXEN C
51	38 12 19	76 44 18	LE-2	POTOMAC	LOWER POTOMAC	2070011	SE OF ST CLEMENT ISLAND
52	38 11 32	76 44 53	LE-2	POTOMAC	LOWER POTOMAC	2070011	SE OF ST CLEMENT ISLAND
53	38 03 20	76 21 35	LE-2	POTOMAC	LOWER POTOMAC	2070011	CORNFIELD POINT
54	38 02 54	76 21 46	LE-2	POTOMAC	LOWER POTOMAC	2070011	CORNFIELD POINT
55	38 08 00	76 18 46	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF PT NO POINT
56	38 07 54	76 17 45	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF PT NO POINT
57	38 07 49	76 16 58	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF PT NO POINT
58	38 07 41	76 13 36	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF PT NO POINT
59	38 07 05	76 06 44	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOLLAND ISLAND
60	37 59 41	75 57 23	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TERRAPIN SOUND
61	38 13 19	75 56 19	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH EAST OF CLAY ISLAND
62	38 23 08	75 50 50	ET-6	EASTERN SHORE	NANTICOKE	2060008	SOUTH EAST OF PENKNIFE POINT
63	38 39 39	76 13 32	EE-2	EASTERN SHORE	CHOPTANK	2060005	SOUTH OF BENONI POINT
64	38 35 25	76 04 11	ET-5	EASTERN SHORE	CHOPTANK	2060005	NORTH OF CAMBRIDGE
65	38 37 23	75 58 45	ET-5	EASTERN SHORE	CHOPTANK	2060005	NORTH EAST OF JAMAICA POINT
66	38 48 05	75 55 20	ET-5	EASTERN SHORE	CHOPTANK	2060005	NEAR TUCKAHOE CREEK
67	39 04 32	76 10 47	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER WEST OF CORSICA N
68	39 07 58	76 04 44	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER WEST OF WILMER NE
70	38 18 54	76 25 16	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DRUMPOINT, MOUTH OF PATUXENT
71	38 23 42	76 32 57	LE-1	PATUXENT	PATUXENT	2060006	EAST OF BROOMS ISLAND
72	38 28 24	76 39 36	RET-1	PATUXENT	PATUXENT	2060006	SOUTH EAST OF TRENT HALL
73	38 31 07	76 40 11	RET-1	PATUXENT	PATUXENT	2060006	NORTH OF RT 231 BRIDGE
74	38 32 56	76 40 35	TF-1	WEST CHESAPEAKE	SEVERN	2060006	OFF CHALK POINT
75	38 33 55	76 40 34	TF-1	WEST CHESAPEAKE	SEVERN	2060006	OFF POTTS POINT
76	38 34 56	76 40 53	TF-1	WEST CHESAPEAKE	SEVERN	2060006	NEAR CEDAR HAVEN

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: BENTHIC ORGANISM STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
77	38 36 16	76 40 31	TF-1	WEST CHESAPEAKE	SEVERN	2060006	OFF HOLLAND POINT
78	38 39 56	76 41 19	TF-1	WEST CHESAPEAKE	SEVERN	2060006	NEAR LOWER MARLBOROUGH
79	38 45 01	76 41 22	BFL	PATUXENT	PATUXENT	2060006	NEAR LYONS CREEK
80	38 47 02	76 41 53	BFL	PATUXENT	PATUXENT	2060006	WESTERN

MARYLAND CHESAPEAKE BAY WATER QUALITY MONITORING PROGRAM: BENTHIC ORGANISM STATIONS


Baltimore
Washington D.C.
Chester
Choptank
Patuxent
Potomac
N
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

MARYLAND NON-TIDAL BENTHIC MACROINVERTEBRATE MONITORING PROGRAM

PROGRAM DESCRIPTION: The Maryland Non-Tidal Benthic Macroinvertebrate Monitoring Program provides data on benthic macroinvertebrates for many streams in the state. Through it, an entire network of 100 stations in the nontidal reaches of the Maryland's Chesapeake Bay Basin is sampled within a two year period. CORE stations are sampled annually.

PROGRAM OBJECTIVES: To characterize macroinvertebrate community structure and diversity.

DATE INITIATED: 1980

COORDINATING AGENCY:

Maryland Department of the Environment
Water Management Administration
Water Quality Monitoring Division
416 Chinquapin Round Road
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of the Environment
U.S. EPA Region III

PARTICIPATING AGENCIES: Maryland Department of the Environment (MDE)

INVESTIGATORS:

Section Chief	Jim Allison	MDE
Principal Investigator	Walter Butler	MDE

PARAMETERS:

Identification to Genus or species
Abundance
Diversity
Biotic Index

STATIONS: There are 100 stations located throughout the nontidal reaches of Maryland's tributaries within the Chesapeake Bay basin.

SAMPLE COLLECTION: Sampling is conducted between June and August of every year, although all 100 stations are not covered each year. All stations are sampled at least every other year, except CORE stations, part of the EPA's national water quality monitoring network, which are sampled annually. An effort is made to collect within a week of the date of the last sampling (i.e. 1st week in June). Samples are collected using multiplate sampling devices (placed in the field for about 6 weeks), or a Surber sampler. Specimens are then identified to the lowest taxonomic level, and community structure and diversity are determined.

PROGRAM INTEGRATION: N/A

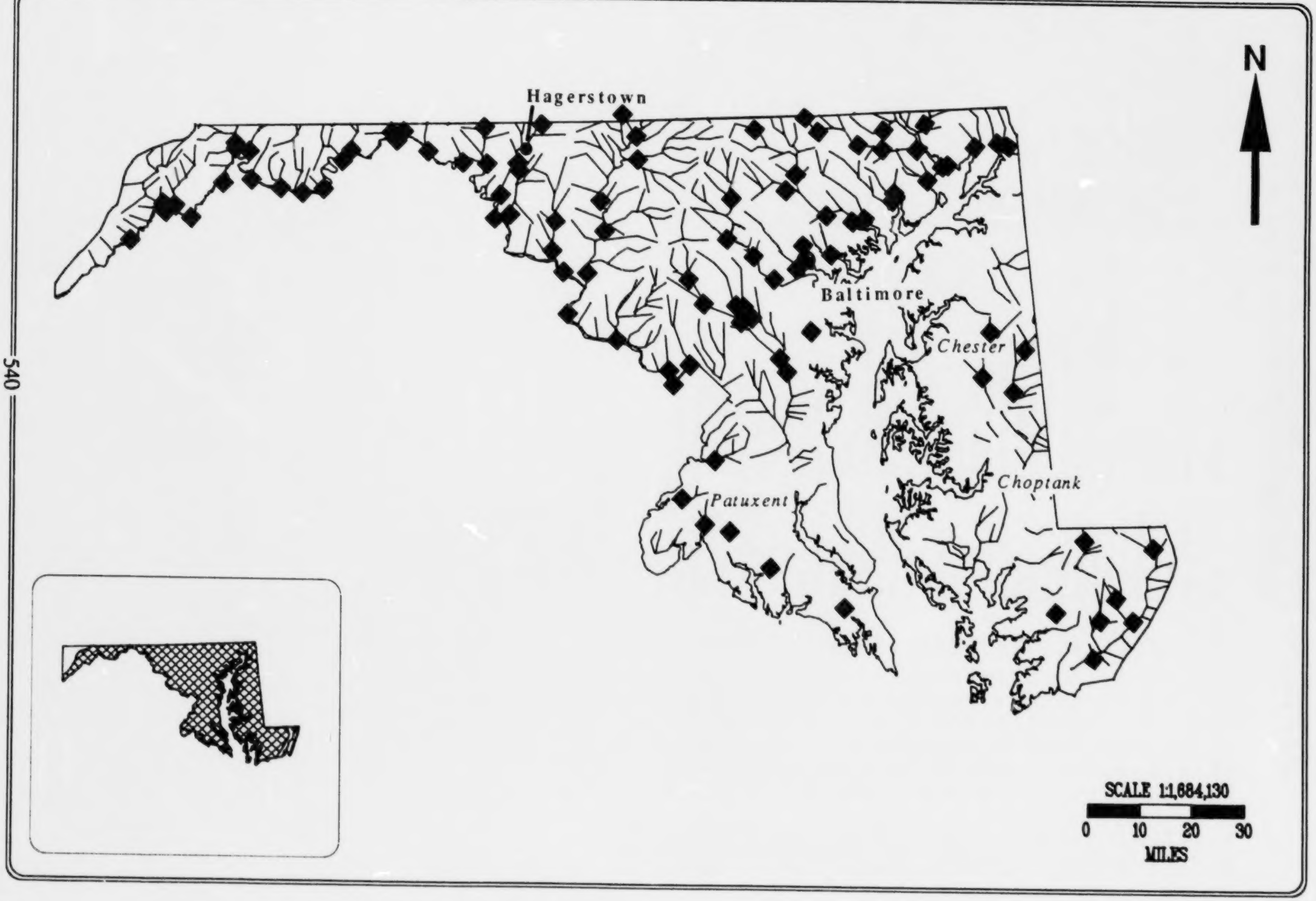
MARYLAND NON-TIDAL BENTHIC MACROINVERTEBRATE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
ANT0044	39 27 00	77 43 55	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	ANTIETAM CREEK AT BURNSIDE BRID
ANT0203	39 35 40	77 42 40	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	ANTIETAM CREEK AT POFFENBERGERS
ANT0229	39 36 38	77 42 45	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	ANTIETAM CREEK AT RT 40
ANT0366	39 42 57	77 36 31	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	ANTIETAM CREEK AT ROCKY FORGE
BDK0000	39 40 13	78 47 28	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	MOUTH OF BRADDOCK RUN
BEL0043	39 36 44	75 49 01	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BIG ELK CREEK AT MD ROUTE 281
BPC0035	39 36 43	77 14 15	AFL	POTOMAC	MONOCACY	2070009	BIG PIPE AT MD ROUTE 194
BRD0059	39 40 33	76 17 16	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BROAD CREEK AT MD ROUTE 136
BYN0007	39 28 18	76 16 02	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BYNUM RUN AT MD ROUTE 7
CAC0031	39 19 54	77 34 50	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	CATOCTIN CREEK AT MD ROUTE 464
CAC0148	39 25 32	77 33 33	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070006	CATOCTIN CREEK AT MD ROUTE 17 (
CHA0006	38 22 10	76 47 07	BFL	POTOMAC	LOWER POTOMAC	2070011	CHAPTICO CREEK AT MD ROUTE 234
CHO0518	38 53 17	75 50 21	ET-5	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER AT MD ROUTE 404
CHO0626	38 59 49	75 47 12	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER AT RED BRIDGE RO
CJB0005	38 58 24	77 08 57	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	CABIN JOHN BRANCH AT MCARTHUR B
CON0005	39 36 11	77 49 19	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	CONOCOCHEAGUE CREEK AT MD ROUTE
CON0180	39 42 57	77 49 31	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	CONOCCOHEAGUE CR AT FAIRVIEW RO
DER0015	39 37 22	76 09 53	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DEER CREEK AT STAFFORD BRIDGE
DER0124	39 37 16	76 18 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DEER CREEK AT US 1
DER0231	39 37 48	76 23 55	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DEER CREEK AT ROCKS
DER0399	39 41 29	76 33 53	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DEER CREEK AT GREEN ROAD
DIV0113	38 11 13	75 33 12	BFL	EASTERN SHORE	POCOMOKE	2060009	DIVIDING CREEK WEST OF WHITESBU
DPC0035	39 44 28	77 16 12	AFL	POTOMAC	MONOCACY	2070009	DOUBLE PIPE CREEK AT MD ROUTE 7
EBA0001	39 42 29	76 35 24	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	EBAUGHS CREEK AT HARRIS MILL RO
EVI0017	39 38 38	78 44 05	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	EVITTS CREEK AT WILLIAMS ROAD
FIF0004	39 37 40	78 23 22	AFL	POTOMAC	CACAPON-TOWN	2070003	FIFTEEN MILE CR AT FAIRVIEW ROA
GEO0009	39 29 37	79 02 42	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	GEORGES CREEK AT USGS GAGE
GUN0036	39 24 51	76 24 25	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER FALLS AT MD ROUTE 7
GUN0125	39 25 32	76 31 45	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER FALLS AT CROMWELL BRI
GUN0258	39 32 59	76 38 09	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER FALLS AT LOWER GLENCO
GUN0476	39 41 21	76 46 51	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER FALLS AT GUNPOWDER RO
GWN0015	39 16 15	76 38 51	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GWYNNS FALLS AT US 1
GWN0115	39 20 34	76 43 36	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GWYNNS FALLS AT ESSEX ROAD (USG
HRR0015	39 18 17	76 32 20	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	HERRING RUN AT US 40
JAM0014	39 28 34	76 15 42	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	JAMES RUN AT MD ROUTE 7
JON0023	39 18 40	76 37 15	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	JONES FALLS AT NORTH AVENUE
JON0184	39 23 36	76 39 44	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	JONES FALLS AT SORRENTO (USGS G
LCC0001	39 36 16	77 54 36	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	LITTLE CONOCOCHEAGUE CREEK AT D
LEL0024	39 36 43	75 51 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LITTLE ELK CREEK AT MD ROUTE 27
LGU0024	39 25 29	76 22 42	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	LITTLE GUNPOWDER FALLS AT MD RO
LIC0004	39 39 13	78 02 42	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	LICKING CREEK AT US 40
LTW0001	39 41 59	78 11 12	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	MOUTH OF LITTLE TONOLOWAY CREEK
LXT0173	39 08 02	76 49 03	BFL	PATUXENT	PATUXENT	2060006	LITTLE PATUXENT RIVER AT US 1
LXT0200	39 10 06	76 51 05	AFL	PATUXENT	PATUXENT	2060006	LITTLE PATUXENT RIVER AT MD ROU
MAS0015	39 00 15	75 54 40	BFL	EASTERN SHORE	CHOPTANK	2060005	MASON BRANCH AT MASON BRANCH RO
MAT0078	38 35 18	77 07 08	BFL	POTOMAC	LOWER POTOMAC	2070011	MATTTAWOMAN CREEK AT MD ROUTE 2
MIC0012	39 33 32	76 03 58	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	MILL CR BELOW PERRYVILLE MUNICI
MIC0014	39 33 36	76 04 00	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	MILL CR ABOVE PERRYVILLE MUNICI
MNK0176	38 12 16	75 41 56	BFL	EASTERN SHORE	POCOMOKE	2060009	MANKLIN RIVER AT MD ROUTE 363
MON0020	39 16 18	77 26 31	AFL	POTOMAC	MONOCACY	2070009	MONOCACY RIVER AT MD ROUTE 28
MON0155	39 23 16	77 22 53	AFL	POTOMAC	MONOCACY	2070009	MONOCACY R AT REICH'S FORD ROAD
MON0269	39 28 49	77 23 23	AFL	POTOMAC	MONOCACY	2070009	MONOCACY RIVER AT BIGGS FORK RO
MON0528	39 40 47	77 14 10	AFL	POTOMAC	MONOCACY	2070009	MONOCACY RIVER AT MD ROUTE 140
MSH0016	39 31 04	77 46 26	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	MARSH RUN AT SPREACHER ROAD (US
MXT0021	39 09 36	76 51 40	AFL	PATUXENT	PATUXENT	2060006	MIDDLE PATUXENT RIVER AT MURRAY
NAS0073	38 13 45	75 28 20	BFL	EASTERN SHORE	POCOMOKE	2060009	NASSAWANGO CREEK AT MD ROUTE 12
NBP0023	39 32 13	78 36 41	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NORTH BRANCH POTOMAC RIVER AT O
NBP0103	39 34 37	78 43 54	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	N BRANCH POTOMAC RIVER AT BLUE
NBP0326	39 34 00	78 50 21	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	N BRANCH POTOMAC RIVER AT PINTO
NBP0461	39 26 41	78 58 19	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NORTH BRANCH POTOMAC RIVER AT U
NBP0534	39 28 45	79 04 06	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NORTH BRANCH POTOMAC RIVER AT B
NBP0689	39 23 21	79 10 47	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NORTH BRANCH POTOMAC RIVER AT K
NOC0009	39 36 07	75 56 41	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTHEAST CREEK AT MD ROUTE 272
NPA0165	39 28 58	76 52 56	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NO. BRANCH PATAPSCO AT CEDARHUR
OCT0035	39 41 22	76 07 49	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	OCTORARO CREEK AT PORTER BRIDGE
PAT0195	39 14 19	76 44 47	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER AT ORANGE GROVE

MARYLAND NON-TIDAL BENTHIC MACROINVERTEBRATE MONITORING STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PAT0285	39 18 44	76 47 33	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER AT HOLLOFIELD (U
PIS0033	38 41 54	76 59 13	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	PISCATAWAY CREEK AT MD ROUTE 21
POK0170	38 04 34	75 34 18	BFL	EASTERN SHORE	POCOMOKE	2060009	POKOMOKE RIVER AT US 13 ALTERNA
POK0312	38 10 24	75 24 20	BFL	EASTERN SHORE	POCOMOKE	2060009	POKOMOKE R AT DSTRM BNDRY BYRD
POK0527	38 23 20	75 19 30	BFL	EASTERN SHORE	POCOMOKE	2060009	POKOMOKE RIVER AT US ROUTE 50 (
POT1183	38 56 51	77 07 38	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POTOMAC RIVER BELOW LITTEL FALL
POT1471	39 09 16	77 31 18	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	POTOMAC RIVER AT WHITES FERRY (
POT1595	39 16 24	77 32 38	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	POTOMAC RIVER AT POINT OF ROCK
POT1830	39 26 06	77 48 11	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	POTOMAC RIVER AT SHEPHERDS TOWN
POT2386	39 41 50	78 10 36	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	POTOMAC RIVER AT HANCOCK (USGS
POT2766	39 32 19	78 27 17	AFL	POTOMAC	CACAPON-TOWN	2070003	POTOMAC RIVER AT PAW PAW (USGS
PTC0006	38 30 54	77 01 21	BFL	POTOMAC	LOWER POTOMAC	2070011	PORT TOBACCO CREEK AT MD ROUTE
PXT0603	39 57 21	76 41 36	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	PATUXENT RIVER AT US 50
PXT0630	39 59 22	76 42 20	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	PATUXENT RIVER AT MD ROUTE 3
PXT0808	39 06 39	76 51 28	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER BELOW 9TH STREET
PXT0939	39 10 02	76 59 05	AFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER AT MINK HOLLOW R
PXT0972	39 14 21	77 03 23	AFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER AT MD ROUTE 97
RCM0111	38 59 34	77 03 48	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ROCK CREEK AT MD ROUTE 410
SAV0011	39 29 11	79 05 00	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	SAVAGE RIVER AT SAVAGE RIVER RO
SBP0027	39 21 04	76 54 48	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH BRANCH PATAPSCO AT HENRYT
SCC0023	39 20 00	76 43 31	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ST. CLEMENT CREEK AT MD ROUTE 2
SEN0006	39 04 46	77 20 24	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	SENECA CREEK AT MD ROUTE 112
SER0005	39 04 49	76 37 28	BFL	WEST CHESAPEAKE	SEVERN	2060004	SEVERN RUN AT MD ROUTE 3
SID0015	39 38 58	78 20 40	AFL	POTOMAC	CACAPON-TOWN	2070003	SIDELING HILL CR AT ZREGLER ROA
SMR0120	38 14 29	76 30 18	BFL	POTOMAC	LOWER POTOMAC	2070011	ST MARY'S RIVER AT MD ROUTE 471
SWA0048	39 31 23	76 08 34	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SWAN CREEK AT US 40
TOC0004	39 41 52	78 09 22	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	TONOLOWAY CREEK BELOW 1-70
TOW0013	39 31 44	78 32 35	AFL	POTOMAC	CACAPON-TOWN	2070003	TOWN CREEK AT MD ROUTE 51
TUK0133	38 55 20	75 57 02	BFL	EASTERN SHORE	CHOPTANK	2060005	TUCKAHOE CREEK AT MD ROUTE 404
WGP0050	39 30 40	76 40 39	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WESTERN RUN AT WESTERN RUN ROAD
WIL0013	39 39 42	78 46 50	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	WILLS CREEK ONE HALF MILE ABOVE
WIN0030	39 26 35	76 18 56	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	WINTERS RUN AT MD ROUTE 7
WIW0241	38 24 33	75 35 40	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WICOMICO RIVER AT NAYLOR MILL R
ZEK0054	38 29 27	76 55 39	BFL	POTOMAC	LOWER POTOMAC	2070011	ZEKIAH SWAMP AT MD ROUTE 6

MARYLAND NON-TIDAL BENTHIC MACROINVERTEBRATE MONITORING STATIONS


N
Hagerstown
Baltimore
Chester
Choptank
Patuxent
SCALE 1:1,684,130
0
10
20
30
MILES

FRESHWATER POTOMAC LONG-TERM BENTHIC MONITORING PROGRAM

PROGRAM DESCRIPTION: The Freshwater Potomac Long-term Benthic Monitoring Program involves sampling at 13 stations on a monthly basis from May through December.

PROGRAM OBJECTIVES: To provide seasonal information on abundance and composition of the benthic fauna of the freshwater portion of the Potomac River for use in recommendations to State agencies pursuant to Maryland water quality regulations.

DATE INITIATED: 1983 (all 13 stations since 1986)

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Chesapeake Bay Research and Monitoring Division
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCY: Maryland Department of Natural Resources

PARTICIPATING AGENCIES:

Maryland Department of Natural Resources (MDDNR)
EA Engineering, Science and Technology (EAES&T)
VERSAR, ESM Inc. (VERSAR)

INVESTIGATORS:

Program Manager	Paul Miller	MDDNR
Field Work	Mike Barbour	EAES&T
Laboratory Analysis	Anna Shaughnessy	VERSAR

PARAMETERS:

Water Column:
Water Depth
Water Velocity
Water Temperature
Dissolved Oxygen
Specific Conductivity
pH
Alkalinity
Hardness
Turbidity
Chlorides
Sulfates
Fine Particulate Organic Matter (ash free dry weight)

Benthos:
Biomass (ash free dry weight) of organic detritus of each dome sample
Chlorophyll *a* on river gravel
Phaeophytin on river gravel

Macroinvertebrates:
Taxa Identification
Abundance

STATIONS: There are 13 stations that have been sampled since 1986 with 12 sampled since 1983. Six of these stations are located in the Valley and Ridge Provinces and seven are located in the Piedmont Plateau Province.

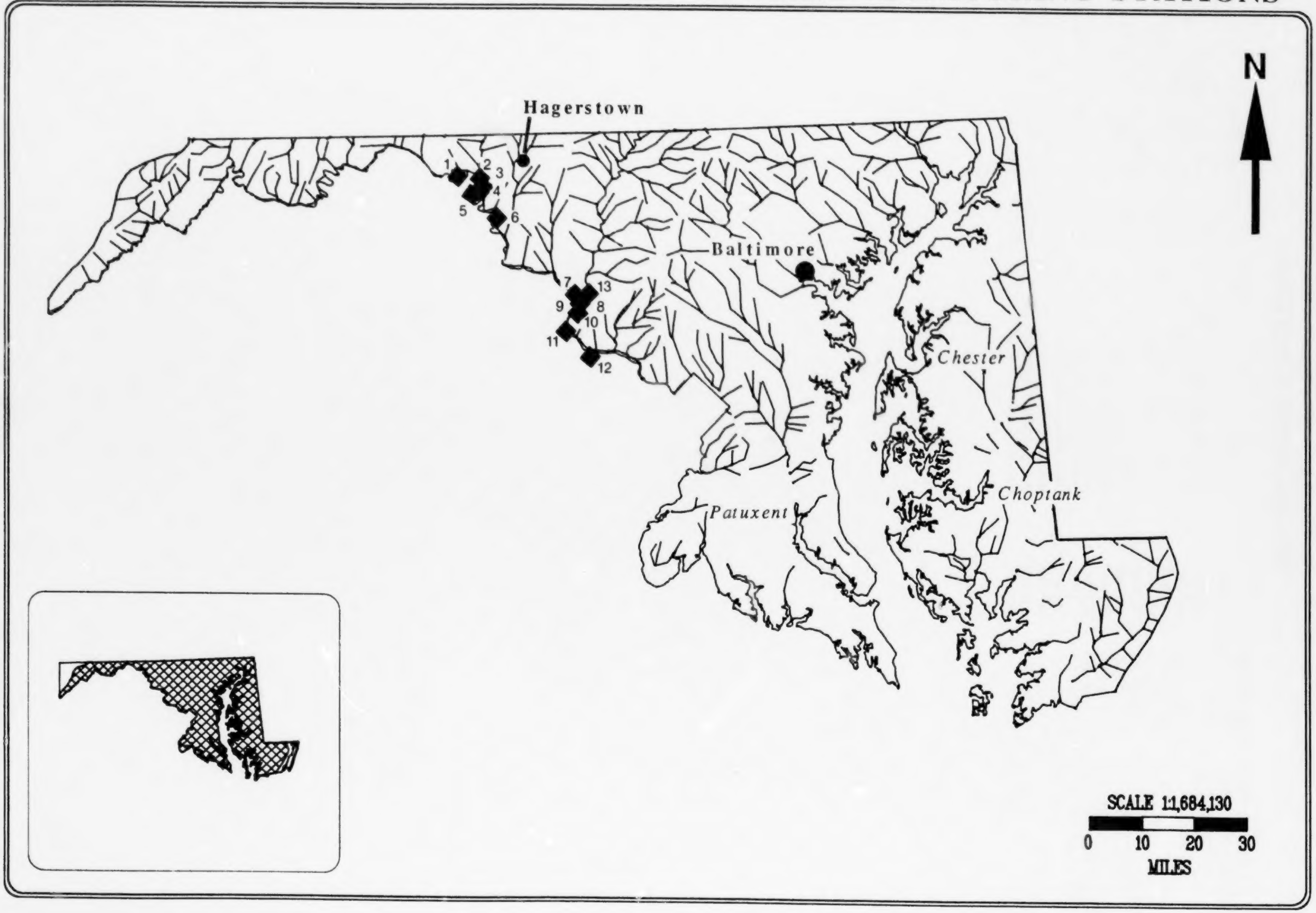
SAMPLE COLLECTION: All stations are sampled monthly from May through December. Sampling is conducted 5-40 meters offshore. Measurements for temperature, depth, velocity, turbidity, pH and conductance are taken in the field. Water samples are taken with each benthic sample. Benthic biota are sampled in triplicate using a dome sampler over cobble substrate. Two of these are processed in the laboratory and the third is archived. Benthic samples are preserved in 10% buffered formula and returned to laboratory. Samples are double seived (1mm and 0.25mm) and sorted into taxanomic groups to be furthered sorted and identified to order, family, genus or species, depending on the organism.

PROGRAM INTEGRATION: N/A

FRESHWATER POTOMAC RIVER LONG-TERM BENTHIC MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 36 11	77 54 32	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	100M BELOW ENTRANCE OF LITTLE C
10	39 11 08	77 28 46	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	OFF EASTERN SHORE OF MASON ISLA
11	39 08 53	77 31 16	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	OFF EASTERN SHORE OF HARRISON I
12	39 04 20	77 25 49	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	CROSS OVER CHANNEL BTW VAN DEVE
13	39 14 12	77 26 10	AFL	POTOMAC	MONOCACY	2070009	MONACACY RIVER 150 MILES UPSTRE
2	39 35 36	77 49 47	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	BELOW DAM AT SMITH POWER PLANT
3	39 35 32	77 49 42	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	25M UPSTRM FROM WMSPORT SEWAGE
4	39 34 42	77 49 50	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	C&O CANAL MILE MARKER 98
5	39 33 54	77 50 10	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	725M BELOW OLD RAILROAD BRIDGE
6	39 29 10	77 46 52	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	50M DOWNSTREAM FROM "LIFT LOCK
7	39 14 27	77 28 34	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	5-10M BELOW MOUTH OF TUSCARORA
8	39 13 14	77 27 22	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	100M BELOW CONFLUENCE OF THE MO
9	39 12 09	77 28 23	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	450M BELOW DISCHARGE CANAL OF D

FRESHWATER POTOMAC LONG-TERM BENTHIC MONITORING STATIONS


N
Hagerstown
1
2
3
4
5
6
7
13
9
8
10
11
12
Baltimore
Chester
Choptank
Patuxent
SCALE 1:1,684,130
0
10
20
30
MILES

DISTRICT OF COLUMBIA AQUATIC MACROINVERTEBRATE MONITORING PROGRAM

PROGRAM DESCRIPTION: The District of Columbia Aquatic Macroinvertebrate Monitoring Program has historically carried out benthic macroinvertebrate monitoring on a year to year basis in separate studies as funding allows. When performed, these studies consist of macroinvertebrate sampling at 18 separate lotic bodies including each river or stream now monitored routinely for chemical and physical parameters. However, the Department of Consumer and Regulatory Affairs is currently undergoing a comprehensive study to determine advantageous locations for a small number of stations to be sampled on an ongoing, routine basis. Currently, macroinvertebrate sampling is performed at approximately 30 stations. Larger systems and historic problem areas receive priority in collection scheduling and the establishment of additional stations. Supplemental stations are meant to reflect areas of drastically differing habitat quality, thus ensuring representative data.

PROGRAM OBJECTIVES: To assess the current ecological status of streams in the District of Columbia and to determine their potential for recovery by identifying macroinvertebrate species and community structure. To use the resulting data as a tool for water quality monitoring and biotic reference to existing chemical data and management decision making.

DATE INITIATED: Intermittent monitoring since 1977.

COORDINATING AGENCY:

District of Columbia Department of Consumer and Regulatory Affairs
Environmental Control Division
Water Quality Monitoring Section
5010 Overlook Avenue, SW
Washington, D.C. 20032

FUNDING AGENCY: U.S. EPA Region III

PARTICIPATING AGENCIES: D.C. Department of Consumer and Regulatory Affairs (DCDCRA)

INVESTIGATORS:

Program Director	Hamid Karimi	DCDCRA
Monitoring Program Coordinator	Sheila Besse	DCDCRA
Principle Investigator	Elizabeth Johnson	DCDCRA

PARAMETERS:

Identification of Species
Abundance of Species
Distribution of Species

STATIONS: There are approximately 30 sampling stations. These locations include stations on the Potomac and Anacostia Rivers, Rock Creek and their respective tributaries.

SAMPLE COLLECTION: Sampling takes place on a yearly basis, although every station is not necessarily sampled every year. The establishment of an ongoing, routine sampling schedule is presently in the planning stages. This may consist of yearly sampling at a small number of stations, or a greater number of stations sampled on a bi- or tri-annual basis.

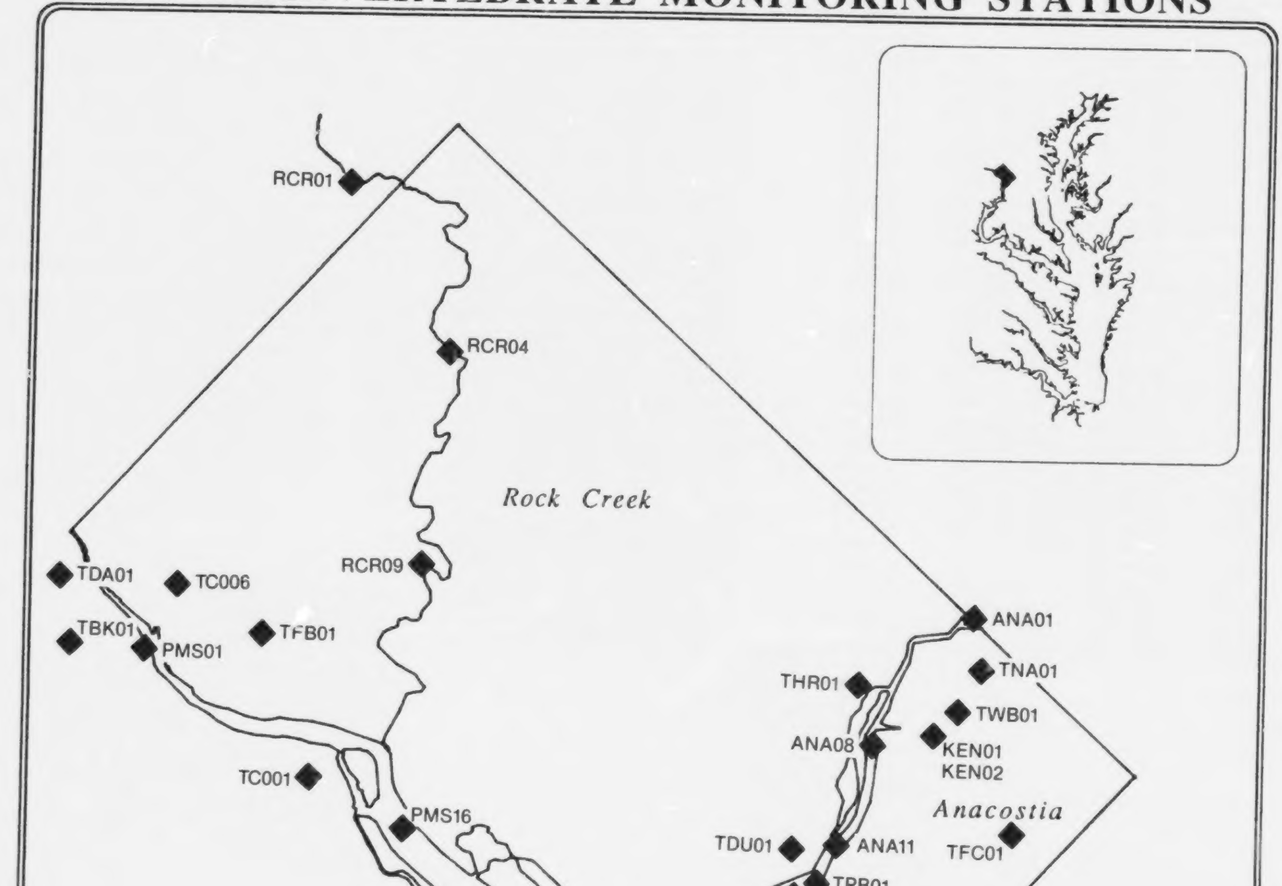
Samples are collected using an invertebrate box sampler or an Eckman dredge sampler. At each station, two samples, a quantitative composite sample and a qualitative composite sample, are retained with a sieve, sorted in the field, and preserved with 70% ethanol. Qualitative methods yield a general species census, detection of selected groups and a synoptic analysis of community structure, while quantitative methods supply data on species diversity, species richness and individuals per unit area. Organisms are counted and identified to the lowest taxonomic level possible with the assistance of stereoscopic and/or phase contrast microscopes where needed.

PROGRAM INTEGRATION: All macroinvertebrate sampling is performed at existing water column sampling station locations. This allows for maximum comparability and corroboration between the two data bases.

DISTRICT OF COLUMBIA AQUATIC MACROINVERTEBRATE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
ANA01	38 55 05	76 56 31	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEW YORK AVENUE BRIDGE
ANA08	38 53 55	76 57 45	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BENNING ROAD POWER PLANT SOUTH
ANA11	38 53 02	76 58 09	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	KINGMAN ISLAND SOUTH
ANA14	38 52 38	76 58 33	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	PENNSYLVANIA AVENUE
ANA21	38 51 10	77 00 18	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	SOUTH CAPITAL STREET BRIDGE
KEN01	38 54 00	76 57 00	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	KENILWORTH LAKE
KEN02	38 54 00	76 57 00	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	KENILWORTH 'CONTROL'POND
PMS01	38 55 04	77 06 18	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FLETCHER'S BOAT HOUSE
PMS16	38 53 17	77 03 16	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	MEMORIAL BRIDGE
PMS29	38 51 01	77 01 21	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	HAINS POINT
PMS41	38 48 23	77 02 10	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	TORPEDO FACTORY
PMS51	38 46 12	77 01 54	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ROSIER BLUFF
RCR01	38 59 11	77 03 50	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ROCK CREEK/MEADOWBROOK
RCR04	38 57 37	77 02 39	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ROCK CREEK/JOYCE ROADD
RCR09	38 55 42	77 02 59	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	ROCK CREEK/ZOO
TBK01	38 55 04	77 07 15	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BATTERY KIMBLE
TC001	38 53 40	77 04 30	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	C&O CANAL GEORGETOWN
TC006	38 55 39	77 06 06	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	C&O CANAL FLETCHER'S BOATHOUSE
TDA01	38 55 43	77 07 20	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	DELCARLIA RESERVOIR
TDU01	38 53 00	76 58 36	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FORT DUPONT
TFB01	38 55 09	77 05 00	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FOUNDRY BRANCH
TFC01	38 53 12	76 56 15	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FORT CHAPIN
TFD01	38 52 12	76 57 30	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FORT DAVIS
TFS01	38 52 00	76 58 30	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FORT STANTON
THR01	38 54 30	76 57 45	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	HICKEY RUN
TNA01	38 54 36	76 56 30	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NASH
TOR01	38 49 54	77 02 28	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	OXON RUN
TPB01	38 52 42	76 58 20	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POPE'S BRANCH
TTX27	38 52 06	76 58 10	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	TEXAS AVENUE
TWB01	38 54 12	76 56 45	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	WATTS BRANCH

DISTRICT OF COLUMBIA AQUATIC MACROINVERTEBRATE MONITORING STATIONS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RCR04
Rock Creek
RCR09
TDA01
TC006
TBK01
PMS01
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THR01
TWB01
ANA08
KEN01
KEN02
Anacostia
TDU01
ANA11
TFC01
TPB01
ANA14
TFD01
TTX27
TFS01
Potomac
PMS29
ANA21
N
TOR01
PMS41
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1
2
3
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PMS51

VIRGINIA CHESAPEAKE BAY BENTHIC MONITORING PROGRAM (VWCB & ODU)

PROGRAM DESCRIPTION: The Virginia Chesapeake Bay Benthic Monitoring Program consists of quarterly cruises to 19 stations in the tributaries of the Rappahannock, York and James rivers and the Virginia mainstem of the Chesapeake Bay.

PROGRAM OBJECTIVES: To quantitatively characterize the estuarine macrobenthic communities on a regional basis.

DATE INITIATED: March 1985

COORDINATING AGENCY:

Virginia Water Control Board
Chesapeake Bay Office
2111 North Hamilton Street
Richmond, VA 23230

FUNDING AGENCY: Virginia Water Control Board

PARTICIPATING AGENCIES:

Virginia Water Control Board (VWCB)
Old Dominion University (ODU)

INVESTIGATORS:

Program Coordinator	Frederick Hoffman	VWCB
Principal Investigator	Daniel Dauer	ODU

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Salinity
Specific Conductivity

Benthic fauna:
Taxa identification
Taxa abundance
Biomass (ash-free dry weight)

Sediment:
Total Volatile Solids
Size Frequency Particle Distribution

STATIONS: There are 19 benthic monitoring stations located in the major salinity-sedimentary regions of the estuarine gradient of the York, Rappahannock, and James rivers, and in the Virginia portion of the mainstem Chesapeake Bay.

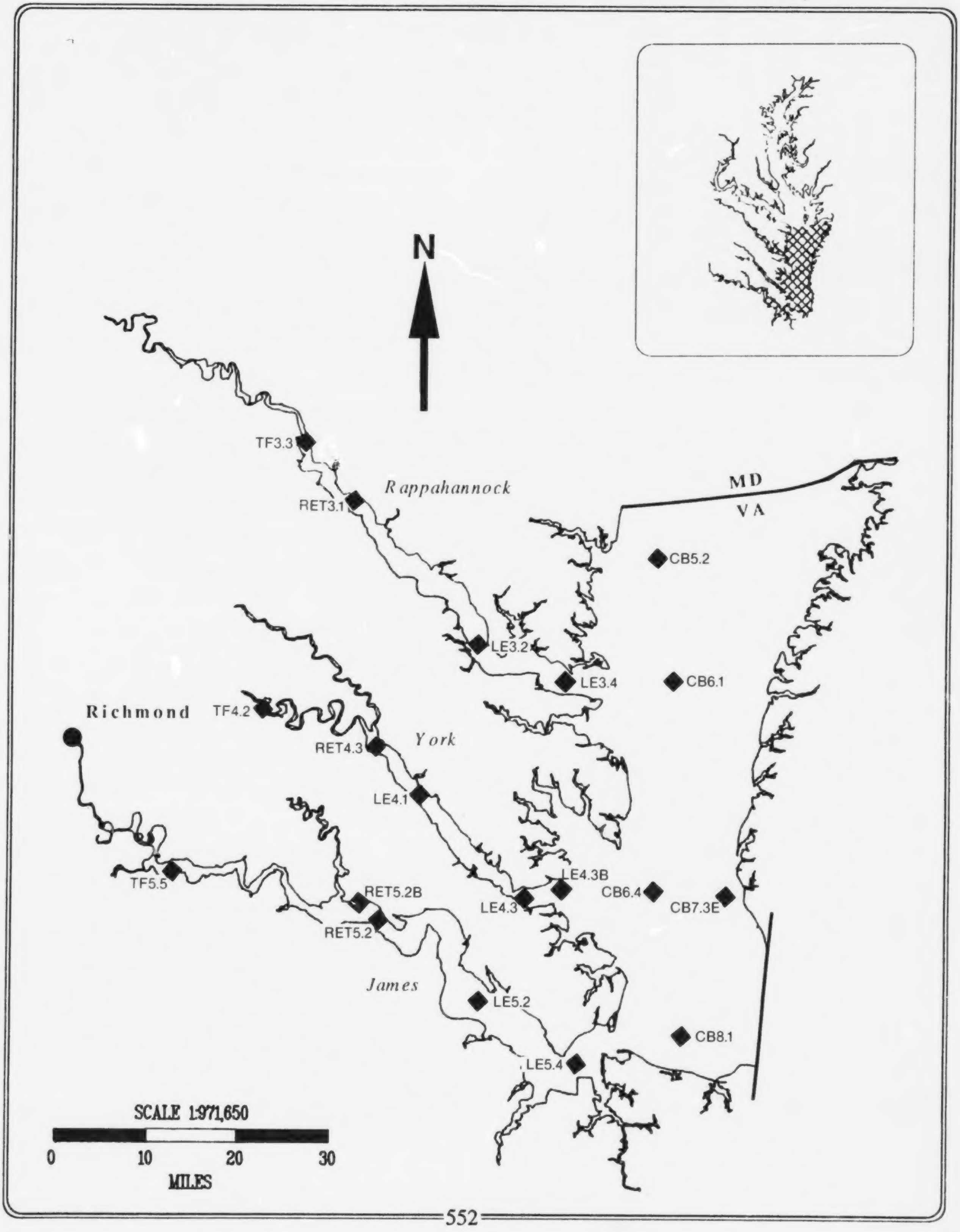
SAMPLE COLLECTION: Stations are visited on a quarterly basis. At each station, bottom temperature, dissolved oxygen and salinity are recorded, and a sediment sample and four replicate box core samples to a depth of 25 cm are collected. Of the four samples, one is archived and the others frozen until they are analyzed. All organisms from the remaining three samples are retained on a 0.5 sieve screen and preserved with formalin. They are then identified, counted and ash-free dry weight or biomass is determined for the 20 numerically dominant species. One of the samples is analyzed for depth distribution with partitioning at 2, 5, 10, 15, 20 and 25 cm. Sediment particles analysis is performed on one replicate sample per station during autumn, winter and spring, and on one replicate sample partitioned into three depths per station during the summer.

PROGRAM INTEGRATION: Benthic monitoring stations coincide with Virginia water quality and some plankton monitoring stations in order to maximize interdisciplinary analyses and evaluation of results.

VIRGINIA CHESAPEAKE BAY BENTHIC MONITORING STATIONS (VWCB & ODU)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CB5.2	37 48 00	76 10 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF PT. NO POINT
CB6.1	37 35 18	76 09 45	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER WEST CENTRAL CHESAPEAKE
CB6.4	37 14 11	76 12 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	CENTRAL BAY OFF SHORE FR YORK R
C37.3E	37 13 43	76 03 15	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE CHANNEL ARE
CB8.1	36 59 15	76 10 05	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	BTW JAMES R. MOUTH AND THIMBLE
LE3.2	37 40 13	76 33 16	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LONG PT UPSTREAM OF BUOY #R8
LE3.4	37 38 00	76 27 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	OFF ORCHARD POINT
LE4.1	37 25 06	76 41 36	LE-4	YORK	YORK	2080107	VIMS SLACK WATER #N44
LE4.3	37 14 06	76 29 06	LE-4	YORK	YORK	2080107	BETWEEN AMOCO AND SARAH CREEKS
LE4.3B	37 14 00	76 29 00	LE-4	YORK	YORK	2080107	OFF VIMS IN DEEP CHANNEL
LE5.2	37 03 28	76 35 00	LE-5	JAMES	LOWER JAMES	2080206	BUOY #C12-13
LE5.4	36 57 18	76 23 30	LE-5	JAMES	LOWER JAMES	2080206	BUOY #9, HAMPTON ROADS, VIMS
RET3.1	37 55 12	76 49 18	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NORTH OF BUOY R10, VIMS SLACK
RET4.3	37 30 24	76 47 18	RET-4	YORK	YORK	2080107	VIMS SLACK WATER #C57
RET5.2	37 12 36	76 47 36	RET-5	JAMES	LOWER JAMES	2080206	SWANN'S PT., JRWQMP STA # 19
RET5.2B	37 12 00	76 47 00	RET-5	JAMES	LOWER JAMES	2080206	OFF HOG POINT
TF3.3	[illegible] 01 07	76 54 30	TF-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	VIMS SALCK WATER #N40
TF4.2	37 34 47	77 01 19	TF-4	YORK	PAMUNKEY	2080106	WHITEHOUSE
TF5.5	37 18 46	77 13 59	TF-5	JAMES	LOWER JAMES	2080206	RED BOUY #107, JRWQMP STA # 13

VIRGINIA CHESAPEAKE BAY BENTHIC MONITORING STATIONS (VWCB & ODU)


N
TF3.3
Rappahannock
RET3.1
MD
VA
CB5.2
LE3.2
LE3.4
CB6.1
Richmond
TF4.2
York
RET4.3
LE4.1
LE4.3B
TF5.5
RET5.2B
LE4.3
CB6.4
CB7.3E
RET5.2
James
LE5.2
CB8.1
LE5.4
SCALE 1:971,650
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10
20
30
MILES

VIRGINIA BENTHIC MONITORING PROGRAM (VIMS)

PROGRAM DESCRIPTION: The Virginia Benthic Monitoring Program is designed to provide a long-term examination of benthic community structure and function in the York River and Virginia mainstem of the Chesapeake Bay.

PROGRAM OBJECTIVES: To characterize long-term patterns in species diversity, biomass, and secondary production of benthic macroinvertebrates in Virginia waters of the Chesapeake Bay. Findings are related to the historical sedimentary record.

DATE INITIATED: 1961 (York River), 1983 (Mainstem Bay)

COORDINATING AGENCY:
College of William and Mary
Virginia Institute of Marine Sciences
Division of Geological and Benthic Oceanography
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	Robert Diaz	VIMS

PARAMETERS:

Macroinvertebrates:
Biomass
Diversity
Counts per species
Secondary Production estimates

Sediment:
Grain Size
Stratigraphy (x-rays, Nuclide profiles)
Sediment Surface and Profile Photograpl

STATIONS: There are 10 stations located in the York River and the mainstem Chesapeake Bay.

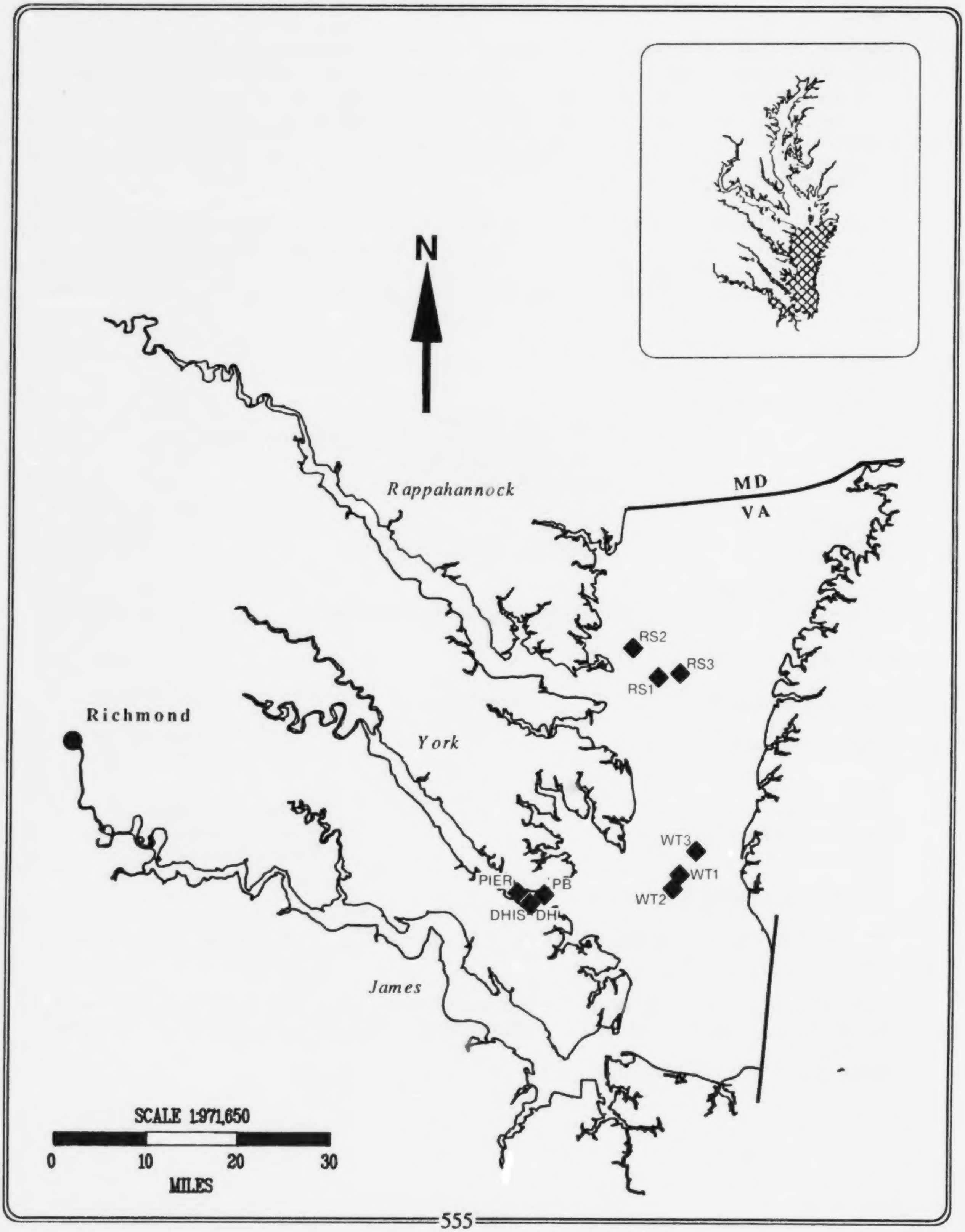
SAMPLE COLLECTION: Stations are sampled on a quarterly basis, although some York River stations were sampled on a weekly basis from 1979 to 1986. At stations in the York River, a VanVeen or a Smith-Macintyre Grab are used for sample collection. In the mainstem, a box core (0.06 m^2) is used. Some samples are cored, sieved with 500 μm to 125 μm sieves and preserved in the field. Other samples are seived intact on 1000 μm sieves. Surface and sediment profile photographs as well as cores for stratigraphic analysis are taken periodically.

PROGRAM INTEGRATION: N/A

VIRGINIA BENTHIC MONITORING STATIONS (VIMS)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
DH	37 13 30	76 28 14	LE-4	YORK	YORK	2080107	DEXTER HAVEN
DHIS	37 13 24	76 28 19	LE-4	YORK	YORK	2080107	DEXTER HAVEN IN SHORE
PB	37 14 26	76 26 06	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PLANKTON BOUY
PIER	37 14 45	76 30 00	LE-4	YORK	YORK	2080107	VIMS PIER
RS1	37 36 00	76 10 34	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	RAPPAHANNOCK SHOALS 1
RS2	37 38 55	76 13 42	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	RAPPAHANNOCK SHOALS 2
RS3	37 36 12	76 07 49	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	RAPPAHANNOCK SHOALS 3
WT1	37 15 25	76 09 17	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	WOLF TRAP 1
WT2	37 14 30	76 10 04	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	WOLF TRAP 2
WT3	37 18 06	76 07 00	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	WOLF TRAP 3

VIRGINIA BENTHIC MONITORING STATIONS (VIMS)


N
Rappahannock
MD
VA
RS2
RS3
RS1
Richmond
York
WT3
WT1
WT2
PIER
PB
DHIS
DH
James
SCALE 1:971,650
0
10
20
30
MILES

VIRGINIA FIXED STATION BIOMONITORING NETWORK

PROGRAM DESCRIPTION: The Virginia Fixed Station Biomonitoring Network forms Virginia's non-tidal benthic program to assess water quality and/or discharge impacts in the state's rivers and streams. It consists of approximately 150 stations which are monitored twice annually in the spring and fall. Because changes in water quality are reflected in changes in benthic organism community structure, and often in direct relation to specific discharges, benthic macroinvertebrates are used in this survey as indicator organisms to monitor water quality and to identify effects of discharges.

PROGRAM OBJECTIVES: To determine short- and long-term water quality trends and to assess permit limit accuracy. This includes the characterization of water quality conditions, identification of pollution problems, evaluation of effectiveness of water rehabilitation projects, and the provision of data to both establish water quality requirements and ensure that requirements are met.

DATE INITIATED: 1978

COORDINATING AGENCY:
Virginia Water Control Board
Office of Environmental Research and Standards
2111 North Hamilton Street
Richmond, Virginia 23230

FUNDING AGENCY: Virginia Water Control Board

PARTICIPATING AGENCY: Virginia Water Control Board (VWCB)

INVESTIGATORS:

Program Coordinator	Mike Shelor	VWCB

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Conductivity
pH
Total Chlorine (Sewer Discharges)

Macroinvertebrates:
Species Identification
Species Distribution
Species Density

STATIONS: There are approximately 150 stations statewide, 78 of which are located in the Chesapeake Bay basin.

SAMPLE COLLECTION: Sampling is conducted twice yearly, once in the spring and once in the fall. Benthic macroinvertebrates are collected using a 30-60 minute qualitative kick net method.

PROGRAM INTEGRATION: N/A

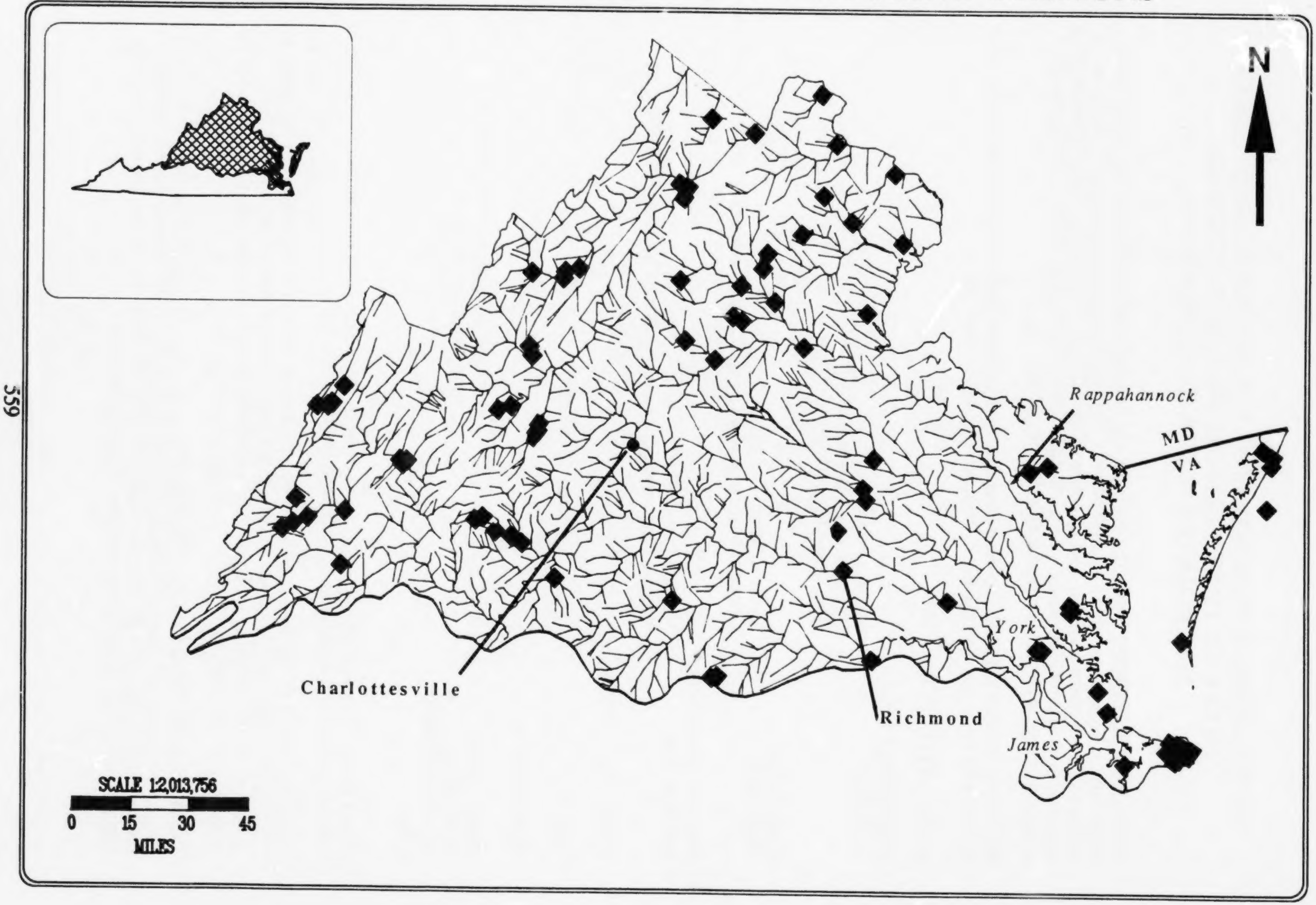
VIRGINIA FIXED STATION BIOMONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1ABR000.77	39 10 45	78 05 08	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	ABRAMS CREEK AT RT 659 BRIDGE
1AUA010.26	38 28 27	77 23 42	BFL	POTOMAC	LOWER POTOMAC	2070011	AQUIA CREEK AT RT 1
1BLK003.14	38 23 39	78 54 01	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	BLACKS RUN AT RT. 704 BRIDGE
1BUL010.28	38 48 11	77 26 59	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BULL RUN AT RT 28
1BUL025.95	38 53 22	77 34 14	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	BULL RUN AT RT 705
1CAX004.57	39 15 18	77 34 36	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	CATOCTIN CREEK AT RT 663
1CKS003.04	38 22 21	78 56 03	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	COOKS CREEK AT BLACKS RUN
1DIF000.86	38 58 33	77 14 46	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	DIFFICULT RIN AT RT 193
1GOO002.38	39 05 08	77 30 41	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	RT 7
1LEW002.80	38 09 49	79 00 18	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	LEWIS CREEK AT RT 275 BRIDGE
1LEW014.08	38 09 04	79 03 39	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	LEWIS CREEK OFF RT 254
1NFS002.45	38 57 42	78 13 45	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	N. FORK SHENANDOAH R. AT CAMPGR
1NFS081.42	38 39 08	78 41 53	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	N. FORK SHENANDOAH R. AT RT 728
1NFS086.54	38 38 09	78 46 02	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	N. FORK SHENANDOAH RIVER AT TIM
1NFS088.77	38 37 38	78 47 00	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	N. FORK SHENANDOAH R. AT BROADW
1NFS094.51	38 38 28	78 54 28	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	N. FORK SHENANDOAH RIVER OFF RT
1NTH014.08	38 20 41	78 55 00	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	NORTH RIVER OFF RT 867
1NTH015.45	38 20 27	78 56 02	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	NORTH RIVER AT I-81 BRIDGE
1PLE000.08	38 20 45	78 55 33	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	PLEASANT RUN AT RT. 867 BRIDGE
1POH007.65	38 43 12	77 12 44	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POHICK CREEK AT RT 641
1SHN022.63	39 07 28	77 53 30	AFL	POTOMAC	SHENANDOAH	2070007	SHENANDOAH RIVER AT RT 7 BRIDGE
1SOT001.44	38 45 18	77 40 27	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	SOUTH RUN AT RT 215
1SSF000.58	38 56 32	78 11 57	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	S. FORK SHENANDOAH RIVER AT RT
1SSF003.50	38 54 49	78 12 36	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	LURAY AV, WARREN CO.
1STH021.72	38 05 46	78 52 38	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	SOUTH RIVER AT HOPEMAN PARKWAY
1STH024.3	38 04 24	78 53 05	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	SOUTH RIVER OFF RIVERSIDE DRIVE
1STH027.1	38 03 26	78 54 29	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	SOUTH RIVER AT RT 664 BRIDGE
2APP012.60	37 14 00	77 24 54	AFL	JAMES	APPOMATTOX	2080207	APPOTTAMOX RIVER AT FALL ZONE
2BCC014.32	38 10 32	79 49 58	AFL	JAMES	UPPER JAMES	2080201	BACK CREEK AT RT 600 BRIDGE
2BCC016.06	38 11 25	79 48 45	AFL	JAMES	UPPER JAMES	2080201	BACK CREEK BELOW RT 600 BRIDGE
2BCC020.83	38 14 34	79 46 19	AFL	JAMES	UPPER JAMES	2080201	BACK CREEK AT RT 600 BRIDGE
2BRT000.03	37 58 09	79 30 18	AFL	JAMES	MAURY	2080202	BRATTONS RUN AT RT 39
2BRT000.94	37 58 01	79 31 04	AFL	JAMES	MAURY	2080202	BRATTONS RUN AT RT 780
2CFP002.54	37 58 00	79 29 50	AFL	JAMES	MAURY	2080202	CALFPASTURE RIVER AT BRATTONS R
2CFP003.94	37 58 43	79 29 41	AFL	JAMES	MAURY	2080202	CALFPASTURE RIVER AT RT 746 BRI
2CHK035.30	37 26 09	77 03 40	BFL	JAMES	LOWER JAMES	2080206	CHICKAHOMINY RIVER AT RT 618
2CWP002.58	37 47 31	79 45 34	AFL	JAMES	UPPER JAMES	2080201	COWPASTURE RIVER AT RT 633
2FOX002.30	37 24 23	76 30 55	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	FOXMILL RUN 250M UPSTREAM OF OL
2FOX002.55	37 24 29	76 31 14	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	FOXMILL RUN 60M ABOVE RT 17 BRI
2FOX002.75	37 24 28	76 31 23	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	FOXMILL RUN 15M ABOVE GLOUCESTE
2JKS013.45	37 46 50	79 55 50	AFL	JAMES	UPPER JAMES	2080201	JACKSON RIVER ABOVE LOWMOOR
2JKS018.68	37 45 23	79 59 15	AFL	JAMES	UPPER JAMES	2080201	JACKSON RIVER AT RT 18 BRIDGE
2JKS030.65	37 50 31	79 59 21	AFL	JAMES	UPPER JAMES	2080201	JACKSON RIVER AT RT 687 BRIDGE
2JMS115.29	37 32 58	77 30 43	AFL	JAMES	MIDDLE JAMES-WILLIS	2080205	JAMES RIVER AT FALL ZONE
2JMS228.01	37 33 04	78 49 28	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	JAMES RIVER BELOW BENT CREEK
2JMS326.27	37 36 23	79 47 06	AFL	JAMES	UPPER JAMES	2080201	JAMES RIVER AT SALISBURY
2LIR000.99	37 44 02	79 05 08	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	LITTLE PINEY RIVER AT RT 674 BR
2LIR005.81	37 46 07	79 08 29	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	LITTLE PINEY RIVER BELOW BAPTIS
2LIR007.08	37 46 01	79 09 43	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	LITTLE PINEY RIVER ABOVE BAPTIS
2LTB007.76	38 10 45	79 52 42	AFL	JAMES	UPPER JAMES	2080201	LITTLE BACK CREEK AT RT 601 BRI
2PNY000.36	37 40 48	78 58 20	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	PINEY RIVER AT TYE RIVER
2PNY004.08	37 42 01	79 00 34	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	PINEY RIVER AT RT US TITAN 10M
2PNY005.30	37 42 07	79 01 40	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	PINEY RIVER AT RT 151 BRIDGE
2POT007.48	37 43 44	80 02 32	AFL	JAMES	UPPER JAMES	2080201	POTTS CREEK AT RT 18 BRIDGE
2WTM000.80	37 15 03	76 38 48	BFL	YORK	YORK	2080107	WHITEMAN SWAMP 10-50M ABOVE OLD
2WTM001.60	37 15 15	76 39 32	BFL	YORK	YORK	2080107	WHITEMAN SWAMP END OF TAN-O-SHA
2XCA000.99	37 41 46	77 32 58	AFL	JAMES	LOWER JAMES	2080206	X-TRIBUTATY TO CHICKAHOMINY RIV
2XGP001.80	37 11 25	78 07 04	AFL	JAMES	APPOMATTOX	2080207	DEEP CREEK AT RT 619
2XGP002.20	37 11 16	78 07 29	AFL	JAMES	APPOMATTOX	2080207	DEEP CREEK AT CREWE
3GRT001.70	38 38 34	77 51 35	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	GREAT RUN AT RT 687
3GRT008.00	38 41 37	77 49 51	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	GREAT RUN AT RT 802
3HAZ009.58	38 35 35	77 57 57	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	HAZEL RIVER AT RT 229
3HAZ018.29	38 36 12	78 15 10	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	HAZEL RIVER AT RT 681
3MTN019.75	38 27 42	77 58 03	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	MOUNTAIN RUN AT RT 29 BYPASS
3MTN022.49	38 28 38	77 59 56	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	MOUNTAIN RUN AT RT 522
3NAR001.07	37 48 38	77 25 24	BFL	YORK	PAMUNKEY	2080106	NORTH ANNA RIVER AT RT 30 BRIDG

VIRGINIA FIXED STATION BIOMONITORING STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
3NAR005.42	37 51 00	77 25 41	BFL	YORK	PAMUNKEY	2080106	NORTH ANNA RIVER AT RT 738 BRID
3PCT002.29	37 57 20	77 22 55	BFL	YORK	MATTAPONI	2080105	POLECAT CREEK AT RT 601
3RAP006.53	38 21 35	77 41 10	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	RAPIDAN RIVER AT RT 610
3ROB001.90	38 19 21	78 05 44	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	ROBINSON RIVER AT RT 614
3ROB019.60	37 27 26	78 18 09	AFL	JAMES	MIDDLE JAMES-WILLIS	2080205	ROBINSON RIVER AT RT 642
3RPP147.10	38 31 48	77 48 50	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	RAPPAHANNOCK RIVER AT RT 15-29
7BBY002.88	36 53 51	76 02 16	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	BROAD BAY CREEK AT BOUY 16
7BRK004.14	37 05 45	76 24 02	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	BRICK KILN CREEK
7CCH000.00	37 15 53	76 01 36	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOUTH OF CAPE CHARLES HARBOR
7CRY000.59	36 52 44	75 59 38	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	CRYSTAL LAKE
7EBL000.01	36 53 12	76 04 25	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	E. BRANCH LYNHAVEN AT MAPPS PT
7EBL001.15	36 52 25	76 04 25	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	E. BRANCH LYNHAVEN AT TRANTS PT
7EBL002.54	36 51 20	76 03 50	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	E. BRANCH LYNHAVEN AT WOLFSNARE
7HLD002.67	37 55 40	75 36 31	BFL	EASTERN SHORE	POCOMOKE	2060009	HOLDENS CREEK AT RT 701
7LDR000.70	38 23 19	78 13 08	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	LITTLE DARK RUN AT RT 680
7LKN001.19	36 52 48	76 00 44	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY NEAR RAINY GUT
7LKN002.77	36 51 31	76 00 34	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LINKHORN BAY AT BOUY 26
7LNC000.68	36 51 57	75 59 54	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	LITTLE NECK CREEK
7LOB001.79	36 50 05	76 03 40	BFL	JAMES	HAMPTON ROADS	2080208	LONDON BRIDGE CREEK AT POTTERS
7LYN000.03	36 54 27	76 05 35	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LYNHAVEN RIVER AT RT 60
7MES001.34	37 54 11	76 41 03	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MESSONGO CREEK END OF RT 788
7NEW001.92	37 02 07	76 21 55	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	NEW MARKET CREEK
7PAR003.09	37 43 55	75 37 51	BFL	EASTERN SHORE	POCOMOKE	2060009	PARKER CREEK RT 744 BRIDGE
7SBB000.17	37 54 46	76 35 30	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	SANDY BOTTOM BRANCH AT RT 695
7THA000.76	36 50 36	76 07 29	BFL	JAMES	HAMPTON ROADS	2080208	THAILA CREEK AT RT 58
7WES000.62	36 53 18	76 06 25	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	W. BRANCH LYNHAVEN AT BUOY 18
7WES001.68	36 52 24	76 06 27	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	W. BRANCH LYNHAVEN AT BUOY 26
7WES002.58	36 52 43	76 06 56	BFL	YORK	LYNNHAVEN-POQUOSON	2080108	W. BRANCH LYNHAVEN AT BUOY 30
7XAZ000.30	37 54 10	75 34 47	BFL	EASTERN SHORE	POCOMOKE	2060009	TRIB TO SANDY BOTTOM AT RT 693
7XBB000.58	37 52 37	75 35 46	BFL	EASTERN SHORE	POCOMOKE	2060009	TRIB TO MESSONGO CR AT RT 693 B

VIRGINIA FIXED STATION - BIOMONITORING STATIONS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Rappahannock
MD
VA
York
James
Richmond
Charlottesville
SCALE 1:2,013,756
0
15
30
45
MILES

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT - BENTHIC MACROINVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Back Creek Stream Improvement Project - Benthic Macroinvertebrate Component is conducted annually in the spring and fall at three stations located both upstream of the Station's lower reservoir and downstream in the company's Stream Improvement Area. Benthic macroinvertebrate monitoring is conducted concommittantly with finfish monitoring in this program.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the potential of the Back Creek Stream Improvement Area.

DATE INITIATED: 1988

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCY:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
pH

Benthic Macroinvertebrates:
Taxa Identification
Taxa Abundance

STATIONS: There is one station located upstream of the Station's lower reservoir, and two stations downstream in the company's Stream Improvement Area.

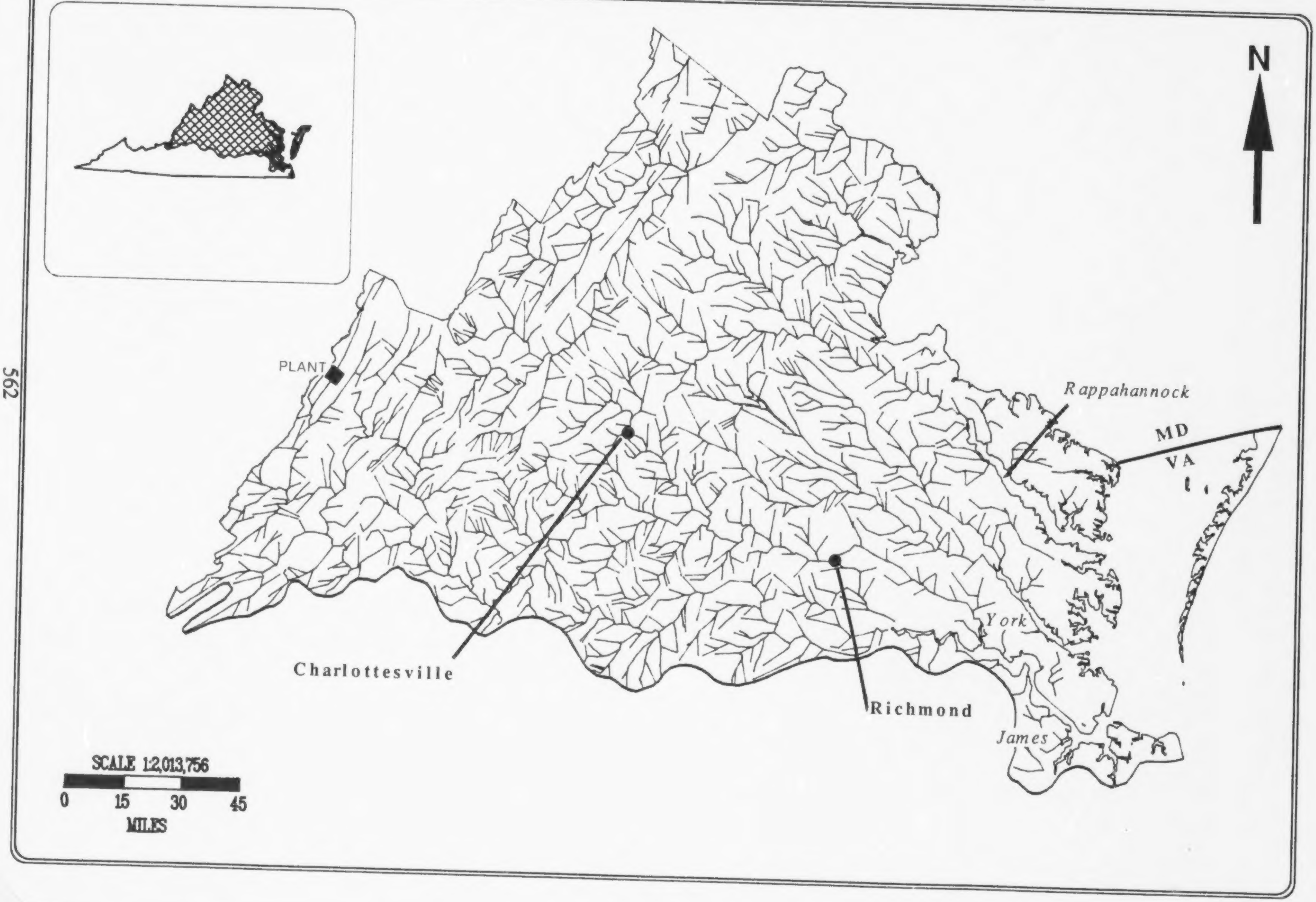
SAMPLE COLLECTION: Benthic macroinvertebrates are collected annually in the spring and fall at three stations using kick-net sampling. All samples are preserved and returned to the laboratory for identification and enumeration. Benthic macroinvertebrate samples are taken at the same time as fish samples.

PROGRAM INTEGRATION: The Bath County Pumped Storage Station Back Creek Stream Improvement Project - Benthic Macroinvertebrate Component is one of three benthic surveys conducted at the Bath County Pumped Storage Station, as well as one of two components of the Back Creek Stream Improvement Project's biological survey.

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT STATIONS - BENTHIC MACROINVERTEBRATE COMPONENT


N
PLANT
Rappahannock
MD
VA
York
James
Charlottesville
Richmond
SCALE 1:2,013,756
0
15
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45
MILES

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY - BENTHIC INVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Little Back Creek Stream Survey - Benthic Invertebrate Component is conducted as part of a joint stream survey of the Creek located immediately downstream of the Bath County Pumped Storage Station's upper reservoir. Monitoring is conducted during the summer at six stations every three years.

PROGRAM OBJECTIVE: To monitor the effects, if any, of construction and subsequent operation of the Bath County Pumped Storage Station on the fishery of Little Back Creek.

DATE INITIATED: 1979

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCY:

Virginia Power
Virginia Department of Game and Inland Fisheries
Virginia Water Control Board
U.S. Forest Service

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)
Virginia Water Control Board (VWCB)
U.S. Forest Service (USFS)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Taxa Identification
Taxa Abundance

STATIONS: There are six stations in Little Back Creek within the vicinity of the Bath County Pumped Storage Station.

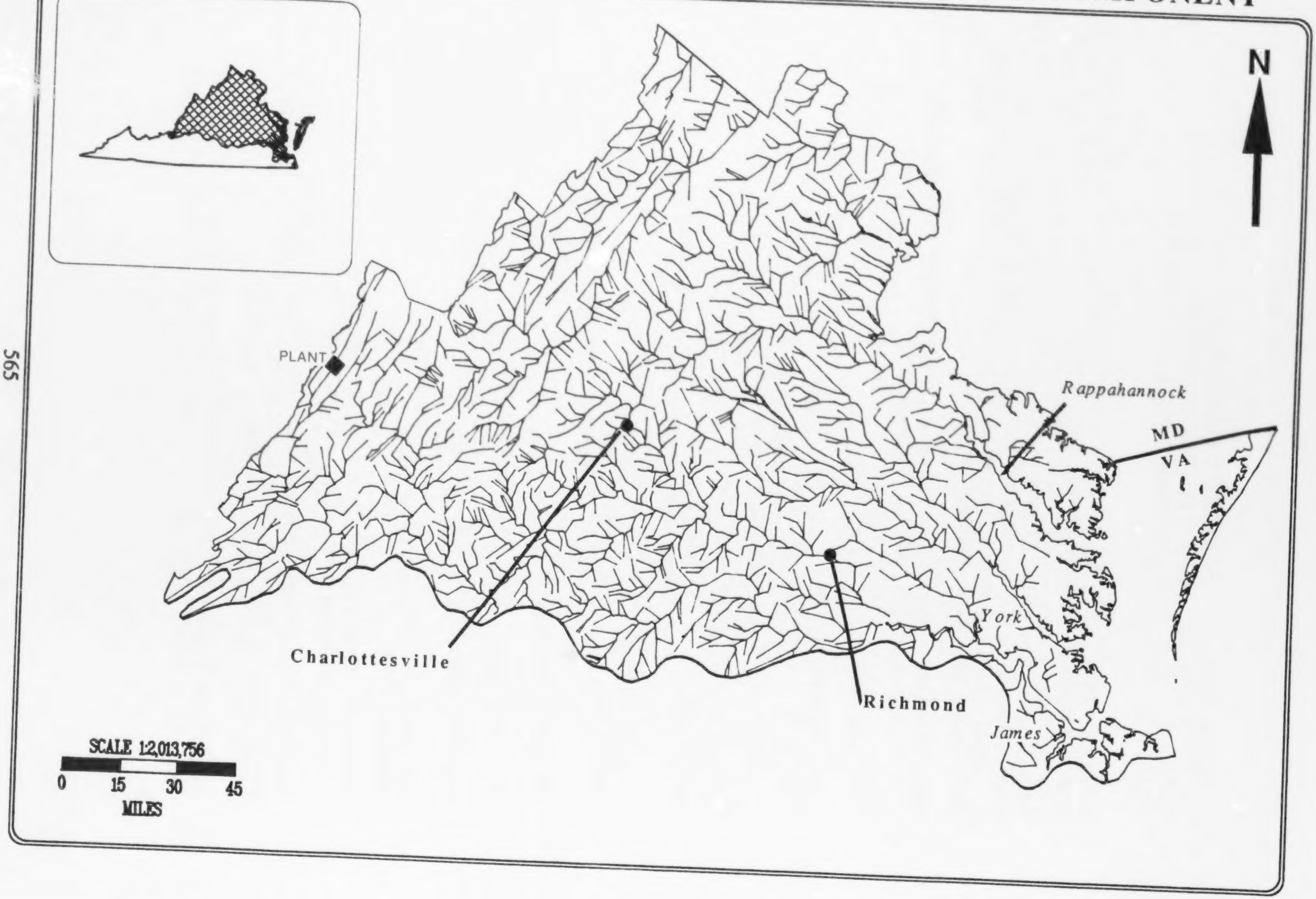
SAMPLE COLLECTION: Benthic macroinvertebrates are collected during the summer every three years at six stations using an Ellis-Rutter box sampler. Four replicates are taken at each station. All samples are preserved and returned to the laboratory for identification and enumeration. Benthic macroinvertebrate samples are taken at the same time as fish and water quality samples.

PROGRAM INTEGRATION: The Bath County Pumped Storage Station Little Back Creek Stream Survey - Benthic Macroinvertebrate Component is one of three benthic surveys conducted at the Bath County Pumped Storage Station, as part of a joint stream survey which also involves water quality and finfish monitoring.

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY STATIONS - BENTHIC INVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY STATIONS - BENTHIC INVERTEBRATE COMPONENT


N
PLANT
Rappahannock
MD
VA
York
James
Charlottesville
Richmond
SCALE 1:2,013,756
0
15
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45
MILES

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING PROGRAM - BENTHIC INVERTEBRATE COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Recreation Pond Monitoring Program - Benthic Invertebrate Component is conducted in two ponds created as part of mitigation efforts outlined in the Station's 401 Certificate. The recreation ponds draw water from and discharge back into Back Creek downstream of the Pumped Storage Station's lower reservoir. Monitoring is conducted at four stations, two stations in each pond. Benthic invertebrate monitoring is one component of this program which also involves water quality, phytoplankton, zooplankton, and finfish monitoring.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the fishery potential of the recreation ponds.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Taxa Abundance
Taxa Identification

STATIONS: There are four stations - two each in the two recreation ponds near the Bath County Pumped Storage Station (only plant location is given, but ponds are in same vicinity).

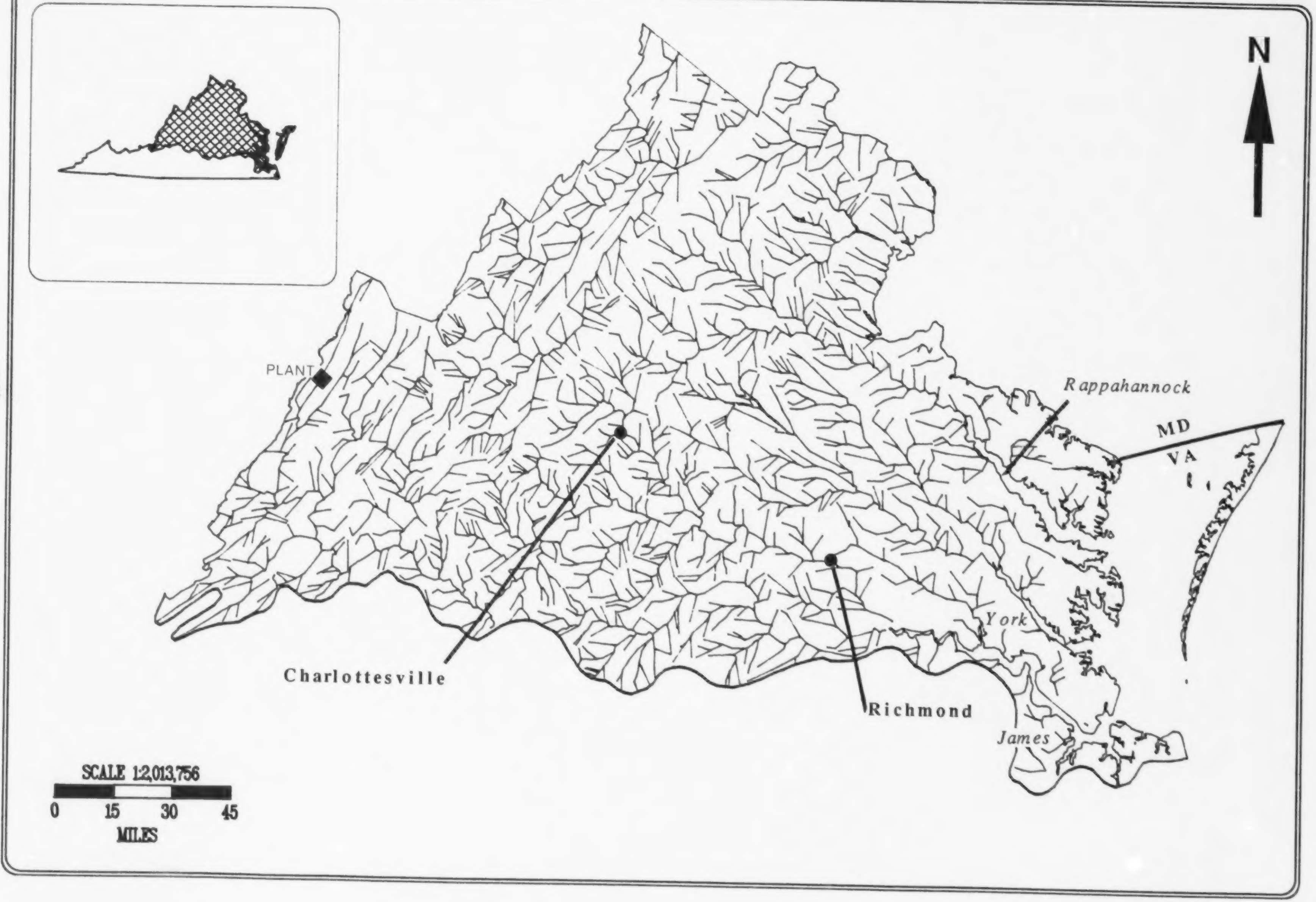
SAMPLE COLLECTION: Monitoring is conducted semi-annually at two stations in each pond (four stations altogether). Bottom grabs are collected at each station with an Ekman dredge for identification and enumeration of benthic macroinvertebrates.

PROGRAM INTEGRATION: Benthic invertebrate monitoring is one component of this program which also involves water quality, phytoplankton, zooplankton and finfish monitoring.

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - BENTHIC INVERTEBRATE COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - BENTHIC INVERTEBRATE COMPONENT


N
PLANT
Charlottesville
Richmond
Rappahannock
MD
VA
York
James
SCALE 1:2,013,756
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15
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45
MILES

WEST VIRGINIA BENTHIC MACROINVERTEBRATE MONITORING PROGRAM

PROGRAM DESCRIPTION: The West Virginia Benthic Macroinvertebrate Monitoring Program assists in the collection of biological ambient data to support varied activities of the West Virginia Department of Natural Resources and other agencies. Benthic macroinvertebrates are sampled annually at four stations within the Chesapeake Bay basin. These stations also serve as phytoplankton monitoring stations.

PROGRAM OBJECTIVES: To provide baseline data and determine long-term trends on benthic macroinvertebrates and corresponding water quality in West Virginia.

DATE INITIATED: 1978

COORDINATING AGENCY:

West Virginia Department of Natural Resources
Division of Water Resources
1201 Greenbrier Street
Charleston, WV 25311

FUNDING AGENCY: West Virginia Department of Natural Resources

PARTICIPATING AGENCY: West Virginia Department of Natural Resources (WVDNR)

INVESTIGATORS:

Program Supervisor	Mike Zeto	WVDNR
Program Coordinator	Janice Fisher	WVDNR

PARAMETERS:

Benthos:
Taxa Composition
Taxa Abundance

STATIONS: There are four benthic macroinvertebrate stations located in the Potomac River Basin; one on the Shenandoah River, two on the South Branch of the Potomac River and one on the Opequon Creek.

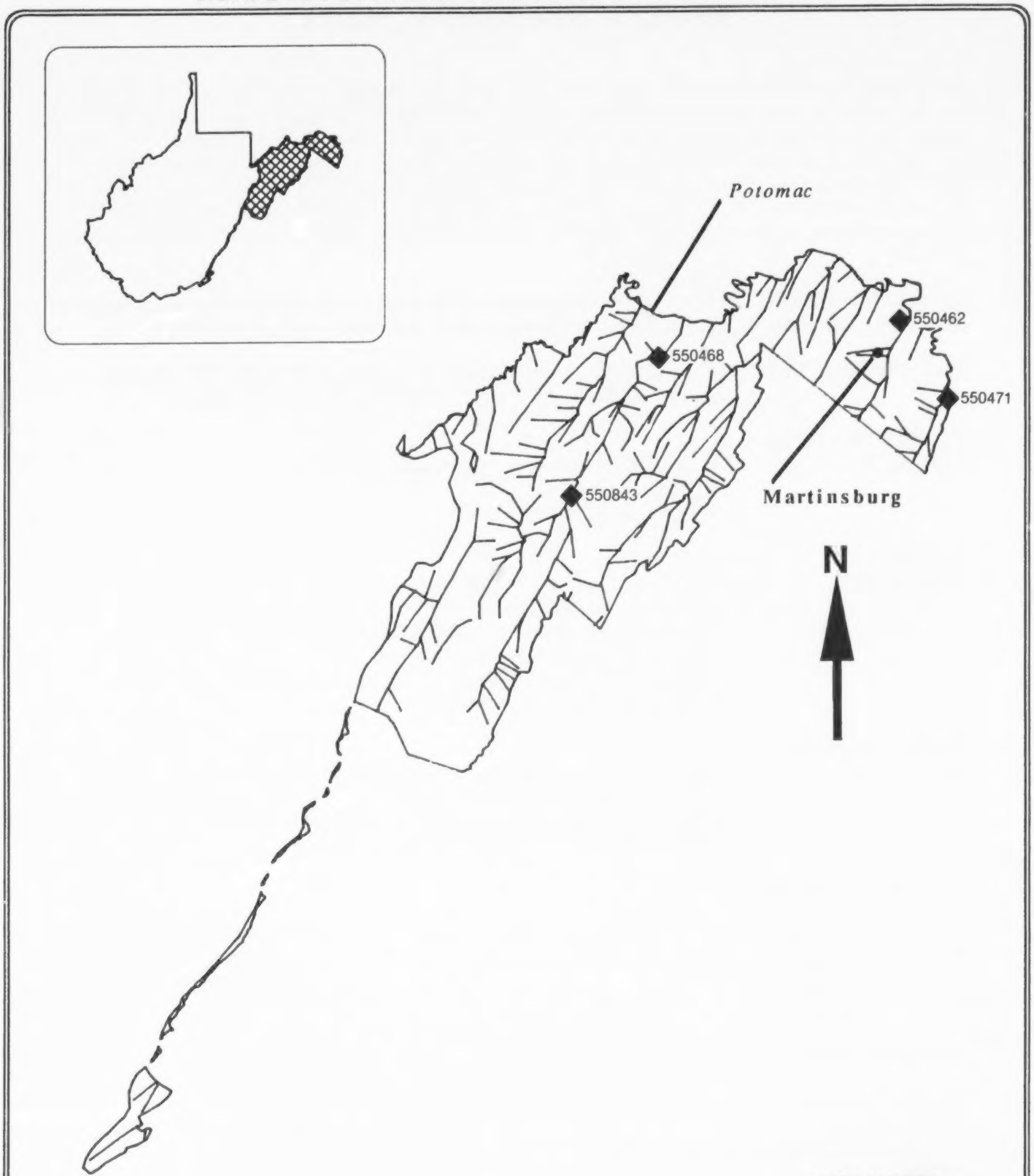
SAMPLE COLLECTION: Sampling is conducted on an annual basis. Multiplate samplers (in triplicate) remain in the water column for 6-8 weeks. Placement and retrieval of the samplers occurs from mid-June through August.

PROGRAM INTEGRATION: This program is part of West Virginia's ambient biological monitoring network. Monthly phytoplankton sampling is conducted at the same stations.

WEST VIRGINIA BENTHIC MACROINVERTEBRATE STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
550462	39 31 01	77 53 23	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	OPEQUON CREEK AT RT. 12 BRIDGE
550468	39 26 49	78 39 16	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	S. BRANCH AT RT. 3 BRIDGE NEAR
550471	39 19 22	77 44 33	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	US ROUTE 340 BRIDGE IN BOLIVAR
550843	39 06 15	78 57 34	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	S. BRANCH AT RT. 220 BRIDGE NEA

WEST VIRGINIA BENTHIC MACROINVERTEBRATE STATIONS


Potomac
550462
550468
550471
550843
Martinsburg
N
SCALE 1:1,538,766
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10
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30
MILES

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY

PROGRAM DESCRIPTION: The Chesapeake Bay Submerged Aquatic Vegetation Aerial Survey marks the first coordinated effort to map all SAV beds in the Bay. In addition to the aerial summer surveys, ground surveys are performed to provide as much detail as possible on location, size and density of SAV beds and changes in these beds from year to year. Coordinated by the EPA Chesapeake Bay Program, the U.S. Fish and Wildlife Service, Maryland Department of Natural Resources and the College of William and Mary's Virginia Institute of Marine Science, various agencies, organizations and volunteer groups participate in the aerial and ground truth surveys.

PROGRAM OBJECTIVES: To provide annual information on the distribution and abundance of submerged aquatic vegetation for permit making decisions and to assess long term trends.

DATE INITIATED: 1984 (The first Bay-wide survey was completed in 1978 although reports were issued separately by Maryland and Virginia).

COORDINATING AGENCY:

U.S. EPA Chesapeake Bay Liaison Office
410 Severn Avenue
Annapolis, Maryland 21403

FUNDING AGENCIES:

U.S. EPA Chesapeake Bay Liaison Office
U.S. Fish and Wildlife Service
Maryland Department of Natural Resources
Virginia Council on the Environment
College of William and Mary, Virginia Institute of Marine Science
U.S. Army Corps of Engineers

PARICIPATING AGENCIES:

U.S. EPA Chesapeake Bay Liaison Office (CBLO)
U.S. Fish and Wildlife Service (FWS)
Maryland Department of Natural Resources (MDDNR)
Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Program Coordinator	Linda Hurley	FWS
Program Coordinator	Richard Batiuk	CBLO
Program Coordinator	David Bleil	MDDNR
Principal Investigator	Robert Orth	VIMS

PARAMETERS:

SAV Bed Location
SAV Bed Size
SAV Density Classification (as percent crown cover):
1. Very Sparse, 0-10%
2. Sparse, 10-40%
3. Moderate, 40-70%
4. Dense, 70-100%

SAV Species (from ground truthing data):
Agardhiella spp. (green algae)

Ceratophyllum demersum (coontail)
Ceramium
Champia parvula
Chara (muskgrass)
Chlorophyta (unid green algae)
Dasya spp.
Elodea canadensis (common elodea)
Enteromorpha spp.
Gracilaria spp.
Heteranthera dubia
Hydrilla verticilla (hydrilla)
Myriophyllum spicatum (eurasion watermilfoil)
Najas guadalupensis (naiad)
Phaeoophyta (unid brown algae)
Potamogeton crispus (curly pondweed)
Potamogeton pectinatus (sago pondweed)
Potamogeton perfoliatus (redhead grass)
Potamogeton pusillus (slender pondweed)
Polysiphonia
Rhodophyta (unid red algae)
Ruppia maritima (widgeongrass)
Ulva spp.
Vallisneria americana (wildcelery)
Zanichellia palustris (horned pondweed)
Zostera marina (eelgrass)

STATIONS: The survey covers virtually all shoreline areas of the Chesapeake Bay and its tidal tributaries.

SAMPLE COLLECTION: Flight lines for aerial photography are designed to cover all shoreline and shoal areas, ensuring both complete bed coverage and inclusion of land features as control points for mapping. Flight paths are oriented so that the overall mission progresses in the same direction as tide propagation, and to ensure that photography occurs at the lowest possible tidal stage.

Guidelines set for the taking of photographs specify that they can be taken only at low tide, during maximum delineation of SAV, at certain sun angles, during periods of low turbidity and low or no wind and clouds, in the vertical mode with less than 5 degrees tilt, and with sufficient identifiable land area to assure accurate plotting of beds.

Ground truthing data to coincide with the aerial survey is collected by various agencies, organization and individuals. Data is collected for the lower portion of the Bay by VIMS using small boat surveys. Groundtruthing data for the upper Bay is performed by MDDNR by a boat survey involving over 600 stations. Ground surveys are also performed by the USGS in the upper reaches of the tidal Potomac River and its tributaries, by Harford Community College in the upper Chesapeake Bay and by the University of Maryland's Horn Point Environmental Laboratory in the Choptank River. In addition to these scientific surveys, citizen volunteers perform ground truthing surveys.

Through aerial photography and ground-truthing surveys, location and extent of SAV bed distribution is determined. SAV beds identified on the photographs are then traced onto mylar USGS quadrangles and digitized. Density is estimated as percent crown cover from photography and information supplied by ground truthing. Species distribution is available from ground truthing.

Data is recorded in square meters for each quadrangle, though for sampling, the Bay was divided into 21 sections and three zones (Upper, Middle and Lower) for ease of reporting.

PROGRAM INTEGRATION: The Bay-wide aerial survey program is coordinated with the SAV ground survey and ground truthing programs undertaken in Maryland and Virginia.

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
SECTION1	39 27 00	76 10 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	SUSQUEHANNA FLATS
SECTION1	39 39 09	76 10 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SUSQUEHANNA FLATS
SECTION1	39 39 09	75 51 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SUSQUEHANNA FLATS
SECTION1	39 27 30	76 01 31	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SUSQUEHANNA FLATS
SECTION1	39 26 30	76 01 19	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SUSQUEHANNA FLATS
SECTION10	37 53 24	76 14 27	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	37 55 30	76 18 09	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	37 53 51	76 28 00	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	38 06 09	76 53 00	BFL	PATUXENT	PATUXENT	2060006	LOWER POTOMAC RIVER
SECTION10	38 15 00	77 06 24	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	3[illegible] [illegible] 00	77 09 24	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER POTOMAC RIVER
SECTION10	38 24 12	77 14 05	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	38 [illegible]5 00	77 00 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWER POTOMAC RIVER
SECTION10	38 15 00	76 25 27	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	38 05 00	76 21 32	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	38 02 51	76 19 24	BFL	POTOMAC	LOWER POTOMAC	2070011	LOWER POTOMAC RIVER
SECTION10	38 05 00	76 10 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER POTOMAC RIVER
SECTION10	37 50 00	76 10 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER POTOMAC RIVER
SECTION11	38 15 00	77 06 24	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	UPPER POTOMAC RIVER
SECTION11	38 20 00	77 24 48	BFL	PATUXENT	PATUXENT	2060006	UPPER POTOMAC RIVER
SECTION11	38 27 39	77 25 00	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER POTOMAC RIVER
SECTION11	39 01 48	77 17 06	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER POTOMAC RIVER
SECTION11	38 58 00	76 45 00	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER POTOMAC RIVER
SECTION11	38 35 00	77 00 00	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER POTOMAC RIVER
SECTION11	38 24 12	77 14 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	UPPER POTOMAC RIVER
SECTION11	38 20 00	77 09 24	BFL	POTOMAC	LOWER POTOMAC	2070011	UPPER POTOMAC RIVER
SECTION12	38 11 06	76 13 18	BFL	EASTERN SHORE	CHOPTANK	2060005	MIDDLE EASTERN SHORE
SECTION12	38 23 30	76 20 00	BFL	EASTERN SHORE	NANTICOKE	2060008	MIDDLE EASTERN SHORE
SECTION12	38 25 00	76 06 48	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MIDDLE EASTERN SHORE
SECTION12	38 21 56	75 55 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE EASTERN SHORE
SECTION12	38 45 00	75 50 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MIDDLE EASTERN SHORE
SECTION12	38 40 00	75 37 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE EASTERN SHORE
SECTION12	38 00 00	75 38 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE EASTERN SHORE
SECTION12	38 00 44	75 49 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE EASTERN SHORE
SECTION12	37 57 06	75 50 18	BFL	EASTERN SHORE	POCOMOKE	2060009	MIDDLE EASTERN SHORE
SECTION12	37 55 00	75 55 06	BFL	EASTERN SHORE	POCOMOKE	2060009	MIDDLE EASTERN SHORE
SECTION12	38 11 42	75 59 00	BFL	EASTERN SHORE	POCOMOKE	2060009	MIDDLE EASTERN SHORE
SECTION12	38 13 36	76 05 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE EASTERN SHORE
SECTION13	37 45 00	75 58 18	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	37 50 00	76 10 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	38 05 00	76 10 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	38 11 06	76 13 18	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	38 13 36	76 05 50	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	38 11 42	75 59 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER-SMITH ISLANDS
SECTION13	37 55 00	75 55 06	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	TANGIER-SMITH ISLANDS
SECTION14	37 00 00	75 58 57	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	37 20 00	76 10 00	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	37 38 45	76 10 00	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	37 50 00	76 10 00	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	37 45 00	75 58 18	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER EASTERN SHORE
SECTION14	37 55 00	75 55 06	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER EASTERN SHORE
SECTION14	37 57 06	75 50 18	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	38 00 44	75 49 30	CB-7	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE
SECTION14	38 00 00	75 38 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE
SECTION14	38 00 00	75 30 00	BFL	EASTERN SHORE	POCOMOKE	2060009	LOWER EASTERN SHORE
SECTION14	37 46 27	75 39 18	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE
SECTION14	37 20 00	75 55 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER EASTERN SHORE
SECTION15	37 38 45	76 10 00	BFL	POTOMAC	LOWER POTOMAC	2070011	REEDVILLE
SECTION15	37 37 24	76 21 24	BFL	POTOMAC	LOWER POTOMAC	2070011	REEDVILLE
SECTION15	37 38 03	76 23 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	REEDVILLE
SECTION15	37 44 21	76 23 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	REEDVILLE
SECTION15	37 48 00	76 28 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	REEDVILLE
SECTION15	37 53 51	76 28 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	REEDVILLE
SECTION15	37 55 30	76 18 09	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	REEDVILLE
SECTION15	37 53 24	76 14 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	REEDVILLE
SECTION15	37 50 00	76 10 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	REEDVILLE

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
SECTION16	37 26 30	76 10 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 25 00	76 18 05	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 28 00	76 20 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 29 00	76 25 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 32 00	76 35 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 49 09	76 48 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 53 44	76 49 39	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 58 00	76 45 27	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 48 00	76 28 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 44 21	76 23 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 38 03	76 23 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 37 24	76 21 24	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	RAPPAHANNOCK RIVER COMPLEX
SECTION16	37 38 45	76 10 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	RAPPAHANNOCK RIVER COMPLEX
SECTION17	37 17 27	76 16 10	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NEW POINT COMFORT REGION
SECTION17	37 19 27	76 16 37	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NEW POINT COMFORT REGION
SECTION17	37 20 00	76 17 24	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NEW POINT COMFORT REGION
SECTION17	37 21 00	76 17 24	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NEW POINT COMFORT REGION
SECTION17	37 22 15	76 19 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NEW POINT COMFORT REGION
SECTION17	37 25 00	76 18 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NEW POINT COMFORT REGION
SECTION17	37 26 30	76 10 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	NEW POINT COMFORT REGION
SECTION17	37 20 00	76 10 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NEW POINT COMFORT REGION
SECTION18	37 17 00	76 19 20	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 16 15	76 22 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 17 00	76 25 25	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 16 30	76 28 30	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 20 00	76 31 53	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 25 45	76 31 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 29 00	76 25 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 28 00	76 20 00	BFL	YORK	YORK	2080107	MOBJACK BAY COMPLEX
SECTION18	37 25 00	76 18 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 22 15	76 19 30	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	MOBJACK BAY COMPLEX
SECTION18	37 21 00	76 17 24	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION18	37 20 00	76 17 24	BFL	YORK	YORK	2080107	MOBJACK BAY COMPLEX
SECTION18	37 19 18	76 16 37	BFL	YORK	YORK	2080107	MOBJACK BAY COMPLEX
SECTION18	37 17 27	76 16 10	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOBJACK BAY COMPLEX
SECTION19	37 14 00	76 22 30	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 13 15	76 24 00	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 12 30	76 27 30	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 07 18	76 28 12	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 14 00	76 36 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
SECTION19	37 16 43	76 43 39	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 26 17	76 49 42	BFL	YORK	YORK	2080107	YORK RIVER
SECTION19	37 30 33	76 40 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
SECTION19	37 28 34	76 35 00	BFL	JAMES	LOWER JAMES	2080206	YORK RIVER
SECTION19	37 20 00	76 31 53	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
SECTION19	37 16 30	76 28 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
SECTION19	37 17 00	76 25 25	BFL	JAMES	LOWER JAMES	2080206	YORK RIVER
SECTION19	37 16 15	76 22 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	YORK RIVER
SECTION19	37 17 00	76 19 20	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	YORK RIVER
SECTION19	37 14 00	76 19 20	BFL	JAMES	LOWER JAMES	2080206	YORK RIVER
SECTION2	39 10 00	76 20 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION2	39 20 00	76 12 30	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER EASTERN SHORE
SECTION2	39 26 30	76 01 19	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION2	39 27 30	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION2	39 09 09	75 51 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER EASTERN SHORE
SECTION2	39 09 09	75 45 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION2	39 19 30	75 45 00	BFL	EASTERN SHORE	CHOPTANK	2060005	UPPER EASTERN SHORE
SECTION2	39 20 00	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION2	39 12 33	76 10 24	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER EASTERN SHORE
SECTION2	39 09 15	76 16 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER EASTERN SHORE
SECTION20	36 49 07	75 58 03	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER WESTERN SHORE
SECTION20	36 45 45	76 07 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	LOWER WESTERN SHORE
SECTION20	36 55 51	76 16 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER WESTERN SHORE
SECTION20	36 57 47	76 16 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER WESTERN SHORE
SECTION20	36 58 00	76 17 42	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER WESTERN SHORE
SECTION20	37 01 03	76 18 31	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	LOWER WESTERN SHORE
SECTION20	37 03 41	76 19 48	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	LOWER WESTERN SHORE

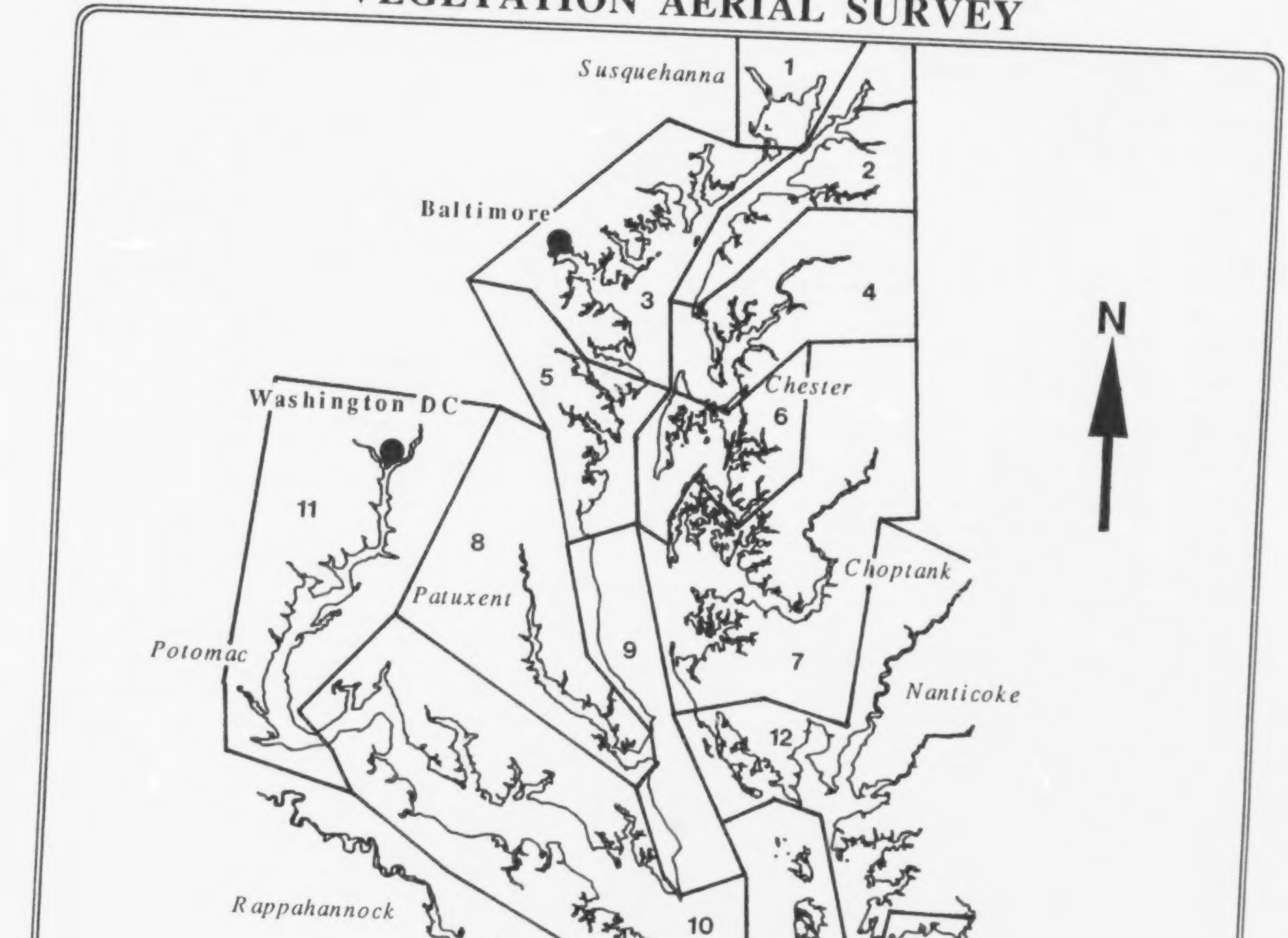
CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
SECTION20	37 00 36	76 24 00	BFL	JAMES	LOWER JAMES	2080206	LOWER WESTERN SHORE
SECTION20	37 07 18	76 28 12	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	LOWER WESTERN SHORE
SECTION20	37 12 30	76 27 30	LE-5	JAMES	LOWER JAMES	2080206	LOWER WESTERN SHORE
SECTION20	37 13 15	76 24 00	BFL	JAMES	LOWER JAMES	2080206	LOWER WESTERN SHORE
SECTION20	37 14 00	76 22 30	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION20	37 14 00	76 19 20	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION20	37 17 00	76 19 20	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION20	37 17 27	76 16 10	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION20	37 20 00	76 10 00	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION20	37 00 00	75 58 57	BFL	JAMES	HAMPTON ROADS	2080208	LOWER WESTERN SHORE
SECTION21	36 45 45	76 07 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 40 00	76 10 00	BFL	YORK	YORK	2080107	JAMES RIVER
SECTION21	36 40 00	76 30 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 40 00	76 40 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 55 38	76 40 00	BFL	JAMES	APPOMATTOX	2080207	JAMES RIVER
SECTION21	37 17 18	77 18 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	37 20 09	77 14 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	37 27 27	77 08 06	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	JAMES RIVER
SECTION21	37 26 17	76 49 46	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	37 16 43	76 43 39	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	37 14 00	76 36 30	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
SECTION21	37 07 18	76 28 12	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
SECTION21	37 00 36	76 24 00	BFL	JAMES	HAMPTON ROADS	2080208	JAMES RIVER
SECTION21	37 03 41	76 19 48	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	37 01 03	76 18 31	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 58 00	76 17 42	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 57 47	76 16 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION21	36 55 51	76 16 00	BFL	JAMES	LOWER JAMES	2080206	JAMES RIVER
SECTION3	39 12 24	76 49 00	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	UPPER WESTERN SHORE
SECTION3	39 30 00	76 20 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	UPPER WESTERN SHORE
SECTION3	39 27 00	76 10 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER WESTERN SHORE
SECTION3	39 26 30	76 01 19	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER WESTERN SHORE
SECTION3	39 20 00	76 12 30	AFL	PATUXENT	PATUXENT	2060006	UPPER WESTERN SHORE
SECTION3	39 10 00	76 20 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	UPPER WESTERN SHORE
SECTION3	39 00 00	76 20 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER WESTERN SHORE
SECTION3	39 03 30	76 32 18	BFL	WEST CHESAPEAKE	SEVERN	2060004	UPPER WESTERN SHORE
SECTION3	39 06 49	76 35 24	BFL	WEST CHESAPEAKE	SEVERN	2060004	UPPER WESTERN SHORE
SECTION3	39 11 09	76 40 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER WESTERN SHORE
SECTION4	39 00 00	76 20 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	39 10 00	76 20 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	39 09 15	76 16 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	39 12 33	76 10 24	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESTER RIVER
SECTION4	39 20 00	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	39 19 30	75 45 00	BFL	EASTERN SHORE	CHOPTANK	2060005	CHESTER RIVER
SECTION4	39 05 00	75 45 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	39 05 00	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION4	38 57 06	76 11 51	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHESTER RIVER
SECTION4	39 00 00	76 19 06	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER RIVER
SECTION5	38 42 54	76 35 00	AFL	PATUXENT	PATUXENT	2060006	CENTRAL WESTERN SHORE
SECTION5	38 55 00	76 37 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	CENTRAL WESTERN SHORE
SECTION5	39 12 24	76 49 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	CENTRAL WESTERN SHORE
SECTION5	39 11 09	76 40 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	CENTRAL WESTERN SHORE
SECTION5	39 06 49	76 35 25	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CENTRAL WESTERN SHORE
SECTION5	39 03 30	76 32 18	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CENTRAL WESTERN SHORE
SECTION5	39 00 00	76 20 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	CENTRAL WESTERN SHORE
SECTION5	38 55 00	76 25 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CENTRAL WESTERN SHORE
SECTION5	38 45 00	76 25 00	BFL	PATUXENT	PATUXENT	2060006	CENTRAL WESTERN SHORE
SECTION6	38 45 00	76 25 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY
SECTION6	38 55 00	76 25 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY
SECTION6	39 00 00	76 20 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN BAY
SECTION6	39 00 00	76 19 06	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY
SECTION6	38 57 06	76 11 51	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN BAY
SECTION6	39 05 00	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY
SECTION6	38 50 00	76 01 39	BFL	EASTERN SHORE	CHESTER-SASSAFRASS	2060002	EASTERN BAY
SECTION6	38 44 06	76 10 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	EASTERN BAY
SECTION6	38 50 00	76 16 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN BAY
SECTION6	38 45 00	76 20 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	EASTERN BAY

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
SECTION6	38 42 30	76 20 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	EASTERN BAY
SECTION7	38 23 30	76 20 00	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER
SECTION7	38 45 00	76 25 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHOPTANK RIVER
SECTION7	38 42 36	76 20 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHOPTANK RIVER
SECTION7	38 45 00	76 20 00	BFL	EASTERN SHORE	CHESTER-SASSAFRASS	2060002	CHOPTANK RIVER
SECTION7	38 50 00	76 16 30	BFL	EASTERN SHORE	NANTICOKE	2060008	CHOPTANK RIVER
SECTION7	38 44 06	76 10 30	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER
SECTION7	38 50 00	76 01 39	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER
SECTION7	39 05 00	76 00 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHOPTANK RIVER
SECTION7	39 05 00	75 45 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER
SECTION7	38 45 00	75 45 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER
SECTION7	38 45 00	75 50 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	CHOPTANK RIVER
SECTION7	38 21 56	75 55 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CHOPTANK RIVER
SECTION7	38 25 00	76 06 48	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	CHOPTANK RIVER
SECTION8	38 15 00	76 25 27	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER
SECTION8	38 35 00	77 00 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	PATUXENT RIVER
SECTION8	38 58 00	76 45 00	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER
SECTION8	38 55 00	76 37 30	BFL	POTOMAC	LOWER POTOMAC	2070011	PATUXENT RIVER
SECTION8	38 42 54	76 35 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	PATUXENT RIVER
SECTION8	38 30 00	76 32 18	BFL	WEST CHESAPEAKE	SEVERN	2060004	PATUXENT RIVER
SECTION8	38 21 40	76 23 30	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER
SECTION8	38 18 00	76 22 50	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER
SECTION9	38 02 51	76 19 25	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE WESTERN SHORE
SECTION9	38 05 00	76 21 32	BFL	PATUXENT	PATUXENT	2060006	MIDDLE WESTERN SHORE
SECTION9	38 15 00	76 25 27	BFL	WEST CHESAPEAKE	SEVERN	2060004	MIDDLE WESTERN SHORE
SECTION9	38 18 00	76 22 50	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE WESTERN SHORE
SECTION9	38 21 40	76 23 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	MIDDLE WESTERN SHORE
SECTION9	38 30 00	76 32 18	BFL	PATUXENT	PATUXENT	2060006	MIDDLE WESTERN SHORE
SECTION9	38 42 54	76 35 00	BFL	PATUXENT	PATUXENT	2060006	MIDDLE WESTERN SHORE
SECTION9	38 45 00	76 25 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MIDDLE WESTERN SHORE
SECTION9	38 23 30	76 20 00	BFL	POTOMAC	LOWER POTOMAC	2070011	MIDDLE WESTERN SHORE
SECTION9	38 05 00	76 10 00	BFL	POTOMAC	LOWER POTOMAC	2070011	MIDDLE WESTERN SHORE

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY


Susquehanna
1
2
Baltimore
3
4
N
5
Chester
Washington DC
6
11
8
Choptank
Patuxent
9
Potomac
7
Nanticoke
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16
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York
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James
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SCALE 1:1,389,720
0
10
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30
MILES
Norfolk
21

AREA DESCRIPTION FOR EACH OF 21 MAJOR SECTIONS IN THE CHESAPEAKE BAY HAVING SAV. **

Section 1. Susquehanna Flats - all areas between and including Spesutie Island and Turkey Point at the mouth of the Elk River to include the Northeast River.

Section 2. Upper Eastern Shore - all areas in the Elk, Bohemia and Sassafras Rivers and SAV in areas on the eastern shore above the Swan Point quadrangle.

Section 3. Upper Western Shore - all areas south of Spesutie Island and north of the Bay Bridge to include the Bush, Gunpowder, Middle, Patapsco and Magothy Rivers.

Section 4. Chester River - includes all of the Chester River, Eastern Neck, areas north of the Bay Bridge on Kent Island and south of Swan Point but to include SAV on the Swan Pt. quadrangle.

Section 5. Central Westerm Shore - all areas south of the Bay Bridge and north of Holland Point on Herring Bay to include the Severn, South and West Rivers and Herring Bay.

Section 6. Eastern Bay - all areas south of the Bay Bridge on Kent Island and north of Tilghman Island from Green Marsh Point to include the Wye, East and Miles Rivers, Crab Alley Bay, Prospect Bay and Poplar, Jefferson and Coaches Islands.

Section 7. Choptank River - all areas south of Tilghman Island from Green Marsh Point and north of Taylor Island to include the Choptank and Little Choptank Rivers.

Section 8. Patuxent River - all areas in the Patuxent River.

Section 9. Middle Western Shore - all areas south of Holland Point at Herring Bay and north of Point Lookout on the Potomac River but not the mouth of the Patuxent River.

Section 10. Lower Potmac River - all areas between the mouth of the Potomac River to a line extending from Maryland Point on the north shore, just above Nanjemoy Creek, to Somersett Beach on the south shore.

Section 11. Upper Potomac River - all areas from up-river limit of the Lower Potomac River Section to Chain Bridge at Washington D.C.

Section 12. Middle Eastern Shore - all areas south of Taylor Island and north of a line bisecting Cedar Island to include the Big and Little Annemessex Rivers, Fishing Bay, and the Honga, Nanticoke, Wicomico and Manokin Rivers.

Section 13. Mid-Bay Island Complex - all areas in and adjacent to Bloodsworth, South Marsh, Smith and Tangier Islands.

Section 14. Lower Eastern Shore - all areas south of a line bisecting Cedar Island and located just above the Maryland - Virginia line to Fisherman's Island.

Section 15. Reedville - includes the area between Windmill Point on the Rappahannock River and Smith Point at the mouth of the Potomac River.

Section 16. Rappahannock River Complex - includes the entire Rappahannock River, Piankatank River and Milford Haven area.

Section 17. New Point Comfort Region - includes the area fronting the Bay from the lighthouse at New Point Comfort north to, but not including, the Bay entrance to Milford Haven.

Section 18. Mobjack Bay Complex - includes the East, North, Ware and Severn Rivers, the north shore of the Mobjack Bay from New Pt. Comfort lighthouse to the North River, and north of a line bisecting the large shoal area around the Guinea Marsh area.

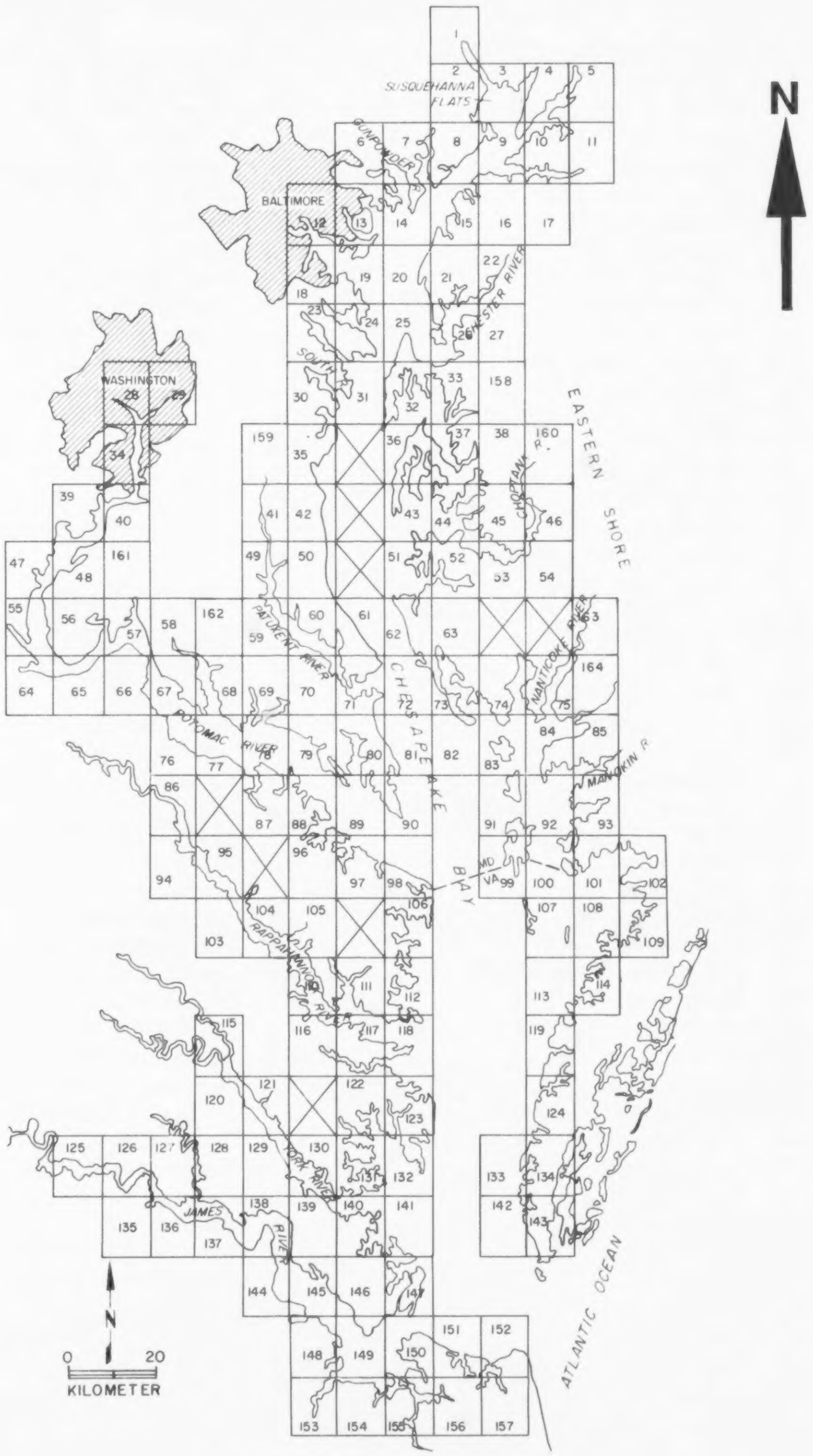
Section 19. York River - all areas along the north shore from Clay Bank to the Guinea Marsh area and south of a line bisecting the large shoal area around the Guinea Marsh area and along the south shore to include the north shore of Goodwin Island.

Section 20. Lower Western Shore - includes all areas south of Goodwin Island to Broad Bay off Lynnhaven Inlet, excluding the James River.

Section 21. James River - all SAV in the James River including the Chickahominy River.

** - Sections 12, 13 and 14 were given new boundaries for the 1988 report which also changes the delineation of the three major zones (see report for these changes).

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION SURVEY


N
SUSQUEHANNA FLATS
GUNPOWDER
BALTIMORE
WASHINGTON
CHESTER RIVER
SOUTH
EASTERN SHORE
CHOPTANK R.
PATUXENT RIVER
POTOMAC RIVER
CHESAPEAKE BAY
NANTICOKE RIVER
MANOKIN R.
MD
VA
RAPPAHANNOCK RIVER
YORK RIVER
JAMES RIVER
ATLANTIC OCEAN
N
0
20
KILOMETER

CHESAPEAKE BAY SUBMERGED AQUATIC VEGETATION AERIAL SURVEY - 7.5 MINUTE QUADRANGLE DESCRIPTIONS

1. Conowingo Dam, MD-PA
2. Aberdeen, MD
3. Havre de Grace, MD
4. North East, MD
5. Elkton, MD
6. White Marsh, MD
7. Edgewood, MD
8. Perryman, MD
9. Spesutie, MD
10. Earleville, MD
11. Cecilton, MD
12. Baltimore East, MD
13. Middle River, MD
14. Gunpowder Neck, MD
15. Hanesville, MD
16. Betterton, MD
17. Galena, MD
18. Curtis Bay, MD
19. Sparrows Point, MD
20. Swan Point, MD
21. Rock Hall, MD
22. Chestertown, MD
23. Round Bay, MD
24. Gibson Island, MD
25. Love Point, MD
26. Langford Creek, MD
27. Centreville, MD
28. Washington West, MD-DC-VA
29. Washington East, DC-MD
30. South River, MD
31. Annapolis, MD
32. Kent Island, MD
33. Queenstown, MD
34. Alexandria, VA-DC-MD
35. Deale, Md
36. Claiborne, MD
37. St. Michaels, MD
38. Easton, MD
39. Fort Belvoir, VA-MD
40. Mt. Vernon, MD-VA
41. Lower Marlboro, MD
42. North Beach, MD
43. Tilghman, MD
44. Oxford, MD
45. Trappe, MD
46. Preston, MD
47. Quantico, VA-MD
48. Indian Head, VA-MD
49. Benedict, MD
50. Prince Frederick, MD
51. Sharps Island, MD
52. Church Creek, MD
53. Cambridge, MD
54. East New Market, MD
55. Widewater, VA-MD
56. Nanjemoy, MD
57. Mathias Point, MD-VA
58. Popes Creek, MD
59. Mechanicsville, MD
60. Broomes Island, MD
61. Cove Point, MD
62. Taylors Island, MD
63. Golden Hill, MD
64. Passapatanzy, MD-VA
65. King George, VA-MD
66. Dahlgren, VA-MD
67. Colonial Beach North, MD-VA
68. Rock Point, MD
69. Leonardtown, MD
70. Hollywood, MD
71. Solomons Island, MD
72. Barren Island, MD
73. Honga, MD
74. Wingate, MD
75. Nanticoke, MD
76. Colonial Beach South, VA-MD
78. St. Clements Island, VA-MD
79. Piney Point, MD-VA
80. St. Mary's City, MD
81. Point No Point, MD
82. Richland Point, MD
83. Bloodsworth Island, MD
84. Deal Island, MD
85. Monie, MD
86. Champlain, VA
87. Machodoc, VA
88. Kinsale, VA-MD
89. St. George Island, VA-MD
90. Point Lookout, MD
91. Kedges Straits, MD
92. Terrapin Sand Point, MD
93. Marion, MD
94. Mount Landing, VA
95. Tappahannock, VA
96. Lottsburg, VA
97. Heathsville, VA-MD
98. Burgess, VA-MD
99. Ewell, VA-MD

100. Great Fox Island, VA-MD
101. Crisfield, VA-MD
102. Saxis, VA-MD
103. Dunnsville, VA
104. Morattico, VA
105. Lively, VA
106. Reedville, VA
107. Tangier Island, VA
108. Chesconessex, VA
109. Parksley, VA
110. Urbanna, VA
111. Irvington, VA
112. Fleets Bay, VA
113. Nandua Creek
114. Pungoteague,VA
115. West Point, VA
116. Saluda, VA
117. Wilton, VA
118. Deltaville, VA
119. Jamesville, VA
120. Toano, VA
121. Gressitt, VA
122. Ware Neck, VA
123. Mathews, VA
124. Franktown, VA
125. Westover, VA
126. Charles City, VA
127. Brandon, VA
128. Norge, VA
129. Williamsburg, VA
130. Clay Bank, VA
131. Achilles, VA
132. New Point Comfort, VA
133. Cape Charles, VA
134. Cheriton, VA
135. Savedge, VA
136. Claremont, VA
137. Surry, VA
138. Hog Island, VA
139. Yorktown, VA
140. Poquoson West, VA
141. Poquoson East, VA
142. Elliotts Creek, VA
143. Townsend, VA
144. Bacons Castle, VA
145. Mulberry Island, VA
146. Newport News North, Va
147. Hampton, VA
148. Benns Church, VA
149. Newport News South, VA
150. Norfolk North, Va
151. Little Creek, VA
152. Cape Henry, VA
153. Chuckatuck, VA
154. Bowers Hill, VA
155. Norfolk South, VA
156. Kempsville, VA
157. Princess Anne, VA
158. Wye Mills, MD
159. Bristol, MD
160. Fowling Creek, MD
161. Port Tobacco, MD
162. Charlotte Hall, MD
163. Mardela Springs, MD
164. Wetipquin, MD
165. Selbyville, MD
166. Assawoman Bay, MD
167. Berlin, MD
168. Ocean City, MD
169. Public Landing, MD
170. Tingles Island, MD
171. Girdle Tree, MD-VA
172. Boxiron, MD-VA
173. Whittington Point, MD-VA
174. Chincoteague West, VA
175. Chincoteague East, VA

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY PROGRAM

PROGRAM DESCRIPTION: The Maryland Submerged Aquatic Vegetation Ground Survey Program is set up to characterize submerged aquatic vegetation (SAV) in Maryland's portion of the Chesapeake Bay. The data collected in this program is also used to supplement findings of the aerial survey which was initiated in 1984. Especially important in this respect is the identification of species present and verification of distribution and abundance.

PROGRAM OBJECTIVES: To determine distribution, abundance and species of SAV located in the Maryland portion of the Chesapeake Bay and its tidal tributaries from year to year, and to observe changes and trends in data collected.

DATE INITIATED: July 1971

COORDINATING AGENCY:
Maryland Department of Natural Resources
Forest, Parks and Wildlife Service
P.O. Box 68
Wye Mills, Maryland 21679

FUNDING AGENCY: Maryland Department of Natural Resources

PARTICIPATING AGENCY: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principal Investigator	Larry Hindman	MDDNR

PARAMETERS:

Water Column:
Depth
Surface Temperature
Salinity
Secchi Depth

SAV Bed Biomass
SAV Density (as percentage of "crown" cover):
1. Very Sparse, 0-10%
2. Sparse, 10-40%
3. Moderate, 40-70%
4. Dense, 70-100%

SAV Species:
Agardhiella spp. (green algae)
Ceratophyllum demersum (coontail)
Ceramium
Champia parvula
Chara (muskgrass)
Chlorophyta (unid green algae)
Dasya spp.
Elodea canadensis (common elodea)
Enteromorpha spp.
Gracilaria spp.
Heteranthera dubia
Hydrilla verticilla (hydrilla)
Myriophyllum spicatum (eurasion watermilfoil)
Najas guadalupensis (naiad)
Phaeophyta (unid brown algae)
Potamogeton crispus (curly pondweed)
Potamogeton pectinatus (sago pondweed)
Potamogeton perfoliatus (redhead grass)
Potamogeton pusillus (slender pondweed)

Polysiphonia
Rhodophyta (unid red algae)
Ruppia maritima (widgeongrass)
Ulva spp.
Vallisneria americana (wildcelery)
Zanichellia palustris (horned pondweed)
Zostera marina (eelgrass)

STATIONS: There are over 642 stations located in Maryland portions of the Chesapeake Bay and its tidal tributaries extending from the Susquehanna Flats to Smith Island.

SAMPLE COLLECTION: Data and samples are collected once a year at all stations from mid-July to late August. Two crews of two people conduct the sampling using two 17-foot Boston Whalers. One crew samples the western shore and the other samples the Eastern shore tributaries.

At each station, depth, surface temperature, salinity and secchi disc depth readings are recorded. Three replicate samples are then taken and biomass, represented by SAV volume displacement (in cubic cms) per square meter, is calculated for each of three one meter quadrats per station. The percentage crown cover for each of the SAV species is also calculated and recorded.

PROGRAM INTEGRATION: The findings of this program are used in conjunction with the Chesapeake Bay SAV Aerial Survey.

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(1 1)	39 27 00	76 00 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OFF EASTERN SHORE OF TURKEY POI
(1 2)	39 26 30	75 59 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER EAST OF TURKEY POINT
(1 3)	39 27 30	75 57 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER OFF WESTERN SHORE OF
(1 4)	39 28 30	75 58 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER SOUTH OF TIMBER POINT
(1 5)	39 29 00	75 54 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER SOUTH OF RICH POI
(1 6)	39 29 00	75 53 30	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER BTW RICH POINT AN
(1 7)	39 28 30	75 53 30	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER SOUTH OF STONY PO
(1 8)	39 28 00	75 53 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER EAST OF LONG POIN
(1 9)	39 29 30	75 56 30	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER SOUTH OF HYLANDS POIN
(1 10)	39 31 00	75 52 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER AT MOUTH OF HERRING C
(1 11)	39 31 30	75 52 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BACK CREEK WEST OF SANDY POINT
(1 12)	39 33 30	75 51 30	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER BTW PLUM POINT AND HE
(1 13)	39 33 30	75 51 00	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER NORTHEAST OF HENDERSO
(1 14)	39 35 00	75 51 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER SOUTH OF ELKTON
(1 15)	39 25 30	76 00 30	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF WROTH POINT
(1 16)	39 25 00	76 01 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF POND CREEK
(2 1)	39 21 30	75 53 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SASSAFRAS RIVER @ GEORGETOWN
(2 2)	39 21 30	75 55 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WOODLAND CREEK OFF OF SASSAFRAS
(2 3)	39 22 00	75 55 30	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF OLD FIELD POINT
(2 4)	39 22 30	75 55 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH OF LITTLE MARSH POINT
(2 5)	39 22 30	75 56 30	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH OF SHELLCROSS WHARF
(2 6)	39 21 30	75 59 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF ORDINARY POINT
(2 7)	39 22 00	76 00 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF ORDINARY POINT
(2 8)	39 23 00	76 01 00	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OFF SOUTHERN SHORE OR GROVE NEC
(2 9)	39 23 00	76 02 30	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST OF GROVE PT AT MOUTH OF SA
(2 107)	39 21 30	76 02 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LLOYD CREEK OFF OF SASSAFRAS R.
(3 1)	39 20 00	76 09 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	STILL POND NORTH OF ROCKY POINT
(3 2)	39 19 30	76 07 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	STILL POND CREEK
(3 3)	39 19 30	76 05 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	STILL POND CREEK
(3 4)	39 19 30	76 08 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHURN CREEK
(3 5)	39 19 00	76 07 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHURN CREEK
(3 6)	39 18 30	76 11 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF WORTON POINT
(3 7)	39 16 30	76 09 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WORTON CREEK
(3 8)	39 14 30	76 11 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	FAIRLEE CREEK
(3 9)	39 16 00	76 13 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF FAIRLEE CREEK MOUTH
(3 10)	39 13 00	76 14 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF MITCHELL BLUFF
(3 11)	39 07 30	76 17 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HUNTINGFIELD POINT
(3 12)	39 06 30	76 16 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HUNTINGFIELD POINT
(4 1)	38 57 30	76 14 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	PROSPECT BAY NEAR MARSHY CREEK
(4 2)	38 56 00	76 14 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	PROSPECT BAY SOUTH OF PINEY POI
(4 3)	38 55 00	76 15 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	PROSPECT BAY SOUTH OF NARROW PO
(4 4)	38 56 30	76 17 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CRAB ALLEY BAY SOUTH OF DOMINIO
(4 5)	38 54 00	76 16 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CRAB ALLEY BAY BETWEEN TURKEY P
(4 6)	38 55 00	76 19 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	COX CREEK
(4 7)	38 57 00	76 19 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WAREHOUSE CREEK OFF OF COX CREE
(4 8)	38 57 30	76 19 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	COX CREEK
(4 9)	38 53 00	76 18 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY SOUTH OF TURKEY POI
(4 10)	38 51 00	76 20 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY SOUTH OF LONG POINT
(4 11)	38 50 30	76 21 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY NORTH EAST OF KENT
(4 12)	38 50 30	76 22 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY NORTHEAST OF KENT P
(4 13)	38 49 00	76 18 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY SOUTHWEST OF WADES
(4 14)	38 47 30	76 19 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY NORTH OF [illegible]ARBOR COV
(4 15)	38 46 30	76 20 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY WEST OF LOWES POINT
(4 16)	38 45 30	76 20 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	FERRY COVE OFF OF EASTERN BAY
(4 17)	38 46 00	76 22 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY EAST OF JEFFERSON I
(4 18)	38 46 30	76 22 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY WEST OF LOWES POINT
(4 19)	38 46 30	76 22 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BETWEEN JEFFERSON ISLAND AND LO
(4 20)	38 46 00	76 23 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BETWEEN POPLAR ISLAND AND JEFFE
(4 21)	38 45 00	76 22 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY EAST OF COACHES ISL
(4 22)	38 44 30	76 22 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF COACHES ISLAND
(4 23)	38 44 00	76 22 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF COACHES ISLAND/WEST OF
(4 24)	38 54 00	76 12 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	GREENWOOD CREEK OFF OF EASTERN
(4 25)	38 53 30	76 12 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY AT MOUTH OF GREENWO
(4 26)	38 53 00	76 12 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF PINEY NECK POINT
(4 27)	39 51 00	76 12 30	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	EASTERN BAY WEST OF BENNETT POI
(4 28)	38 53 00	76 11 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY SOUTH OF PINEY NECK

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(4 29)	38 51 30	76 10 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER OFF EASTERN B
(4 30)	38 52 00	76 10 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER OFF OF EASTERN B
(4 31)	38 53 00	76 09 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER SOUTH OF DIVIDIN
(4 32)	38 52 30	76 09 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER AT MOUTH OF QUAR
(4 33)	38 53 00	76 08 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER
(4 34)	38 53 00	76 05 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER AT MOUTH OF SKIP
(4 35)	38 53 30	76 05 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SKIPTON CREEK OFF OF WYE RIVER
(4 36)	38 54 00	76 06 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER NORTH OF WYE LAN
(4 37)	38 56 00	76 06 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE EAST RIVER
(4 38)	38 53 30	76 07 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE NARROWS
(4 39)	38 50 00	76 12 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LEEDS CREEK OFF OF MILES RIVER
(4 40)	38 49 00	76 10 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	HUNTING CREEK OFF OF MILES RIVE
(4 41)	38 47 30	76 11 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OFF SHORE OF MILES RIVER NECK
(4 42)	38 47 00	76 11 30	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES R BETW PARROTT POINT AND
(4 43)	38 46 30	76 12 00	BFL	EASTERN SHORE	CHESTER-SASSAFRASS	2060002	MILES R BETW HUNTING CREEK AND
(4 44)	38 46 30	76 10 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES RIVER AT MOUTH OF HUNTING
(4 45)	38 47 00	76 08 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES RIVER
(4 46)	38 47 30	76 08 00	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES RIVER SOUTH OF BASCULE BR
(4 101)	38 57 00	76 16 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	KIRWAN CREK OFF OF PROSPECT BAY
(5 1)	38 35 30	76 05 30	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER EAST OF HAMBROOK
(5 2)	38 36 30	76 10 30	BFL	EASTERN SHORE	CHOPTANK	2060005	LECOMPTE BAY OFF CHOTANK R.
(5 3)	38 37 30	76 11 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R BETW TODDS POINT AND
(5 4)	38 37 30	76 14 30	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R NORTH OF TODDS POINT
(5 5)	38 37 00	76 15 00	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R EAST OF COOK POINT C
(5 6)	38 37 00	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R NEAR MOUTH OF COOK P
(5 7)	38 37 00	76 16 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R OFF EASTERN SHORE OF
(5 9)	38 37 30	76 17 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R OFF COOK POINT
(5 10)	38 35 00	76 16 00	BFL	EASTERN SHORE	CHOPTANK	2060005	BRANNOCK BAY OFF CHOPTANK RIVER
(5 11)	38 35 00	76 17 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BRANNOCK BAY EAST OF MILLS POIN
(5 12)	38 33 30	76 19 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK SOUTHWEST OF HI
(5 13)	38 36 30	76 21 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF TRIPPE BAY
(5 14)	38 36 30	76 22 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY BETWEEN PLUM POINT AND
(5 15)	38 37 30	76 22 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF COOK POINT
(5 16)	38 41 30	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK R SOUTH OF NELSON ISLA
(5 17)	38 42 00	76 16 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	SOUTH OF NELSON POINT/ MOUTH OF
(5 18)	38 44 30	76 19 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	DUN COVE OFF HARRIS CREEK
(5 19)	38 45 30	76 19 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	WATER HOLE COVE OFF OF HARRIS C
(5 20)	38 46 30	76 18 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	BRIARY COVE OFF OF HARRIS CREEK
(5 21)	38 47 00	76 17 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	CUMMINGS CREEK OFF OF HARRIS CR
(5 22)	38 43 00	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK NEAR MOUTH OF BALL
(5 23)	38 43 30	76 16 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	BALL CREEK OFF OF BROAD CREEK
(5 24)	38 43 30	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK NEAR MOUTH OF BALL
(5 25)	38 44 30	76 14 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK NEAR MOUTH OF EDGE
(5 26)	38 44 30	76 13 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	EDGE CREEK OFF OF BROAD CREEK
(5 27)	38 44 00	76 13 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	EDGE CREEK NEAR MOUTH OF ELBERT
(5 28)	38 45 30	76 13 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CREEK OFF BROAD CRE
(5 29)	38 46 00	76 13 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CREEK OFF BROAD CRE
(5 30)	38 46 30	76 14 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	SAN DOMINGO CREEK OFF BROAD CRE
(5 31)	38 45 30	76 14 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK NORTH OF MULBERRY P
(5 32)	38 42 00	76 11 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER BETW BELLEVUE A
(5 33)	38 42 30	76 11 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER NORTH OF BELLEV
(5 34)	38 42 30	76 10 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER WEST OF PECKS P
(5 35)	38 43 00	76 11 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER NORTH OF BELLEV
(5 36)	38 41 30	76 10 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	TOWN CREEK OFF TRED AVON RIVER
(5 37)	38 43 00	76 07 00	BFL	EASTERN SHORE	CHOPTANK	2060005	TRIPPE CREEK EAST OF DEEPWATER
(5 38)	38 43 00	76 06 30	BFL	EASTERN SHORE	CHOPTANK	2060005	TRIPPE CREK EAST OF SNUG HARBOR
(5 39)	38 44 00	76 08 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER SOUTH OF LONG P
(5 40)	38 44 00	76 07 30	BFL	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER SOUTH OF PRICES
(5 41)	38 44 00	76 05 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	PEACHBLOSSOM CREEK
(5 42)	38 45 30	76 07 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON RIVER NORTH OF PRICES
(5 43)	38 40 00	76 10 00	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER BETW BACHELOR PT
(5 44)	38 40 30	76 06 30	BFL	EASTERN SHORE	CHOPTANK	2060005	ISLAND CREEK
(5 45)	38 40 30	76 06 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	ISLAND CREEK
(5 46)	38 38 00	76 09 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	SOUTH OF CHLORA POINT
(5 47)	38 37 00	76 05 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	DICKINSON BAY WEST OF REEDS CRE
(5 48)	38 37 30	76 05 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	DICKINSON BAY WEST OF HOLMES CR
(5 49)	38 37 30	76 05 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	DICKINSON BAY AT MOUTH OF HOLME

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(5 50)	38 36 30	76 05 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	NORTH OF HAMBROOKS BAR
(5 51)	38 36 00	76 03 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	NORTHEAST OF HAMBROOKS BAR
(5 52)	38 35 00	76 02 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF BOLINGBROKE CREEK
(5 53)	38 34 30	76 02 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	EAST OF CHANCELLOR PT
(5 54)	38 34 00	76 01 00	BFL	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF WHITEHALL CREEK
(5 55)	38 35 30	76 01 00	BFL	EASTERN SHORE	CHOPTANK	2060005	NORTHWEST OF OYSTERSHELL POINT
(5 56)	38 36 00	75 58 00	BFL	EASTERN SHORE	CHOPTANK	2060005	NORTH OF GOOSE CREEK
(5 57)	38 38 00	75 57 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	CABIN CREEK
(5 58)	38 40 30	75 56 30	ET-5	EASTERN SHORE	CHOPTANK	2060005	HUNTING CREEK EAST OF BOW KNEE
(5 59)	38 41 30	75 59 00	BFL	EASTERN SHORE	CHOPTANK	2060005	NORTH OF POPLAR POINT
(5 60)	38 41 30	75 59 30	BFL	EASTERN SHORE	CHOPTANK	2060005	NORTHWEST OF POPLAR POINT
(5 61)	38 45 30	75 59 30	BFL	EASTERN SHORE	CHOPTANK	2060005	BTW WILLIAMS CREEK AND MITCHELL
(6 1)	38 30 30	76 20 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LITTLE CHOPTANK EAST OF JAMES R
(6 2)	38 30 30	76 19 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK EAST OF JAMES R
(6 3)	38 31 00	76 19 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK EAST OF JAMES I
(6 4)	38 30 30	76 18 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK NORTH OF CATORS
(6 5)	38 30 00	76 18 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK NORTH OF CATORS
(6 6)	38 30 30	76 16 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK BETW RAGGED PT
(6 7)	38 29 30	76 16 30	BFL	EASTERN SHORE	CHOPTANK	2060005	SLAUGHTER CREEK S OF HOLLAND PT
(6 8)	38 29 00	76 17 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	SLAUGHTER CREEK E OF HOOPER NEC
(6 9)	38 30 30	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	MOUTH OF SLAUGHTER CREEK
(6 10)	38 31 00	76 13 30	BFL	EASTERN SHORE	CHOPTANK	2060005	MADISON BAY OFF LITTLE CHOPTANK
(6 11)	38 32 30	76 13 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK RIVER NORTH OF
(6 12)	38 31 00	76 10 30	BFL	EASTERN SHORE	CHOPTANK	2060005	CHURCH CREEK OFF OF FISHING CRE
(6 13)	38 32 30	76 08 00	BFL	EASTERN SHORE	CHOPTANK	2060005	NE BRANCH OF FISHING CREEK OFF
(6 14)	38 33 30	76 11 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK SOUTHEAST OF SO
(6 15)	38 34 30	76 10 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	LEE CREEK OFF LITTLE CHOPTANK R
(6 16)	38 35 00	76 13 30	BFL	EASTERN SHORE	CHOPTANK	2060005	PHILLIPS CREEK OFF LITTLE CHOPT
(6 17)	38 34 30	76 16 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BRANNOCK BAY SOUTH OF COVEY POI
(6 18)	38 32 30	76 17 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROOKS CREEK OFF LITTLE CHOPTAN
(6 19)	38 34 00	76 17 30	EE-2	EASTERN SHORE	CHOPTANK	2060005	HILLS POINT COVE OFF LITTLE CHO
(7 1)	38 20 30	76 15 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BETWEEN BARREN ISLAND POINT AND
(7 2)	38 20 00	76 15 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TAR BAY
(7 3)	38 18 30	76 14 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF TAR BAY
(7 4)	38 18 00	76 13 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF PONS POINT
(7 5)	38 17 00	76 12 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BLUFF POINT
(7 6)	38 17 00	76 12 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOPPER ISLANDS
(7 7)	38 16 30	76 12 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BLUFF POINT
(7 8)	38 16 00	76 11 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOOPERSVILLE
(7 9)	38 15 30	76 11 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOPPER ISLAND
(7 10)	38 14 30	76 09 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HOOPER ISLAND
(7 11)	38 14 00	76 09 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HOOPER ISLAND
(7 12)	38 16 00	76 12 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BLUFF POINT
(7 13)	38 16 00	76 14 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF SAND POINT
(7 14)	38 16 30	76 13 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BLUFF POINT
(7 15)	38 16 30	76 14 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF SAND POINT
(7 16)	38 17 00	76 14 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF SAND POINT
(7 17)	38 17 00	76 15 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF SAND POINT
(7 18)	38 18 00	76 15 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF SAND POINT
(7 19)	38 18 30	76 15 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TAR BAY
(7 20)	38 18 30	76 16 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BARREN ISLAND POINT
(7 21)	38 19 00	76 16 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BARREN ISLAND POINT
(7 22)	38 19 30	76 16 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BARREN ISLAND POINT
(7 23)	38 24 00	76 17 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF TAYLOR ISLAND EAST OF COVE
(7 24)	38 25 00	76 18 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF TAYLOR ISLAND NORTHEAST OF
(7 25)	38 25 30	76 18 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF PUNCH ISLAND CREEK
(7 26)	38 26 00	76 18 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 27)	38 26 00	76 19 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 28)	38 26 30	76 19 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 29)	38 26 30	76 18 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 30)	38 27 00	76 18 30	BFL	EASTERN SHORE	CHOPTANK	2060005	OFF WESTERN SHORE OF TAYLOR ISL
(7 31)	38 27 30	76 19 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 32)	38 28 30	76 20 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF WESTERN SHORE OF TAYLOR ISL
(7 33)	38 29 30	76 21 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF OYSTER COVE
(7 34)	38 30 30	76 22 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF OYSTER COVE
(8 1)	38 21 00	76 13 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER EAST OF FISHING BAY
(8 2)	38 21 30	76 13 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER SOUTH OF KEENES POI

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(8 3)	38 21 30	76 11 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER NORTH OF WROTEN ISL
(8 4)	38 21 00	76 11 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER NORTH OF WROTEN ISL
(8 5)	38 21 00	76 12 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER EAST OF FISHER CREE
(8 6)	38 20 30	76 12 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER SOUTH OF KEENES POI
(8 7)	38 20 30	76 11 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER SOUTH OF KEENES POI
(8 8)	38 20 00	76 11 00	BFL	EASTERN SHORE	CHOPTANK	2060005	WROTEN ISLAND/HONGA RIVER
(8 9)	38 19 30	76 12 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER WEST OF WROTEN ISLA
(8 10)	38 19 00	76 12 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER EAST OF BACK CREEK
(8 11)	38 19 00	76 13 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER EAST OF BACK CREEK
(8 12)	38 19 00	76 10 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER SOUTH OF WROTEN ISL
(8 13)	38 18 00	76 11 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER BETW BENTLEY PT AND
(8 14)	38 18 30	76 10 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER SOUTH OF PARKS NECK
(8 15)	38 18 30	76 09 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER EAST OF LAKES COVE
(8 16)	38 18 30	76 08 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LAKES COVE OFF HONGA RIVER
(8 17)	38 18 00	76 08 00	BFL	EASTERN SHORE	CHOPTANK	2060005	LAKES COVE OFF HONGA RIVER
(8 18)	38 18 00	76 09 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER WEST OF LAKES COVE
(8 19)	38 18 00	76 09 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER NORTH OF BENTLEY PO
(8 20)	38 17 30	76 08 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER WEST OF JOES COVE
(8 21)	38 16 30	76 09 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER OFF WESTER SHORE OF
(8 22)	38 16 30	76 08 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER BETW CEDAR PT AND W
(8 23)	38 16 30	76 08 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	PAUL COVE OFF HONGA RIVER
(8 24)	38 17 00	76 07 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FOX CREEK BETW PAUL PT AND FOX
(8 25)	38 17 30	76 07 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FOX CREEK WEST OF FOX POINT
(8 26)	38 18 00	76 07 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FOX CREEK SOUTH OF KERWIN POINT
(8 27)	38 15 00	76 06 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER BTWEEN CRAB PT AND
(8 28)	38 13 00	76 02 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOPKINS COVE NORTH OF HOOPER ST
(8 121)	38 15 00	76 09 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER NORTH OF THOROFARE
(8 221)	38 15 00	76 08 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA RIVER BETW THOROFARE POIN
(9 1)	38 11 30	75 59 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S BTW BLOODSWORTH I AND
(9 2)	38 11 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S EAST OF BLOODSWORTH I
(9 3)	38 12 00	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S EAST OF BLOODSWORTH I
(9 4)	38 12 00	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S EAST OF BLOODSWORTH I
(9 5)	38 11 30	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S EAST OF PINEY ISLAND
(9 6)	38 12 00	76 02 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOOPER STRAIT BTW BISHOPS HEAD
(9 7)	38 10 30	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER S NEAR MOUTH OF GREAT C
(9 8)	38 10 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF BLOODSWORTH ISLAND
(9 9)	38 10 00	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GREAT COVE
(9 10)	38 09 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GREAT COVE
(9 11)	38 09 30	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GREAT COVE
(9 12)	38 09 00	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BTW STRAIGHTS POINT AND GREAT C
(9 13)	38 08 30	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF LOWER ISLAND POINT
(9 14)	38 08 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BETWEEN LOWER ISLAND POINT AND
(9 15)	38 08 00	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST OF SOUND POINT (SOUTH
(9 16)	38 08 00	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST OF SOUND POINT
(9 17)	38 08 00	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS SOUTH OF DEEP
(9 18)	38 07 30	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF SOUND POINT
(9 19)	38 06 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND EAST OF PUNGERS P
(9 20)	38 05 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND EAST OF SOUTHMARS
(9 21)	38 04 30	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND EAST OF MUSCLE HO
(9 22)	38 04 00	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND SOUTHEAST OF MUSC
(9 23)	38 04 00	75 59 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND SOUTHEAST OF MUSC
(9 24)	38 03 30	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	KEDGES STRAIGHTS NORTH OF FISHI
(9 25)	38 05 00	76 03 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF PRY ISLAND
(9 26)	38 05 00	76 06 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HOLLAND ISLAND WEST OF
(9 27)	38 06 00	76 04 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 28)	38 06 30	76 04 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 29)	38 07 00	76 03 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS NEAR PRY COVE
(9 30)	38 07 00	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 31)	38 07 00	76 02 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF PRY ISLAND
(9 32)	38 08 00	76 02 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS BTW COVE PT A
(9 33)	38 09 00	76 03 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 36)	38 08 30	76 04 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 37)	38 08 00	76 05 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 38)	38 08 00	76 04 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS
(9 39)	38 07 30	76 04 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS OFF OF SPRING
(9 40)	38 07 30	76 04 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS OFF SPRING IS
(9 41)	38 06 30	76 05 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOLLAND STRAIGHTS WEST OF SPRIN
						2060001	SOUTH OF HOLLAND ISLAND

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(9 42)	38 07 00	76 06 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOLLAND ISLAND
(9 43)	38 09 00	76 06 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF ADAM ISLAND
(9 44)	38 11 30	76 06 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTHWEST OF OKAHANIKAN COVE
(9 45)	38 12 30	76 05 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOOPER STRAIGHT NORTH OF OKAHAN
(9 46)	38 13 00	76 05 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HOOPER STRAIGHT
(9 134)	38 10 00	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND OFF GREAT COVE IS
(9 135)	38 08 30	76 06 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF ADAM ISLAND
(10 1)	39 32 30	76 03 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF STUMP POINT
(10 2)	39 33 00	76 02 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF STUMP POINT
(10 3)	39 32 00	76 02 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY BETWEEN RED PT AND CONC
(10 4)	39 31 30	76 02 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY SOUTH OF RED POINT AND
(10 5)	39 32 00	76 01 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF RED POINT
(10 6)	39 32 00	76 01 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF RED POINT
(10 7)	39 31 30	76 01 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BULL MOUNTAIN
(10 8)	39 32 00	76 00 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF RED POINT
(10 9)	39 32 00	76 00 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF RED POINT
(10 10)	39 33 00	76 00 00	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH RIVER NORTH OF CARPENTER
(10 11)	39 33 00	75 59 00	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH RIVER BTW CARPENTER PT AN
(10 12)	39 33 30	75 59 30	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF SENECA POINT
(10 13)	39 34 00	75 58 30	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTHWEST OF HANCE POINT
(10 14)	39 34 30	75 57 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER NECK OF NORTH RIVER
(10 15)	39 31 30	76 04 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH EAST OF CONCORD POINT
(10 16)	39 31 30	75 59 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF RED POINT
(10 17)	39 31 00	76 00 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHWEST OF BULL MOUNTAIN/DAY
(10 18)	39 30 00	76 00 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF BULL MOUNTAIN
(10 19)	39 30 00	76 20 00	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MID-BAY NORTHWEST OF ROCKY POIN
(10 20)	39 30 30	76 02 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY SOUTH OF STUMP POINT
(10 21)	39 29 00	76 02 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY NORTHWEST OF TURKEY POI
(10 22)	39 28 30	76 02 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY NORTHWEST OF TURKEY POI
(10 23)	39 28 00	76 03 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OFF OF SPESUTIE ISLAND
(10 24)	39 29 00	76 05 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEAR NORTHERN MOUTH OF SPESUTIE
(10 25)	39 28 30	76 06 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MOUTH OF SPESUTIS NARROWS
(10 26)	39 30 00	76 08 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SWAN CREEK NORTH OF CEDAR POINT
(10 101)	39 32 00	76 04 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTHEAST OF CONCORD POINT
(10 111)	39 33 00	75 58 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH RIVER NORTH OF ROACH POIN
(10 112)	39 34 00	75 59 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SENECA POINT
(10 117)	39 31 00	76 00 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHWEST OF BULL MOUNTAIN/DAY
(10 118)	39 30 30	76 01 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY NORTHWEST OF ROCKY POIN
(10 119)	39 30 00	76 02 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY NORTHWEST OF ROCKY POIN
(10 124)	39 28 30	76 04 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF LOCUST POINT
(10 224)	39 29 00	76 04 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	OFF LOCUST POINT
(10 324)	39 29 30	76 04 00	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF LOCUST POINT
(10 424)	39 30 30	76 05 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF PLUM POINT
(10 524)	39 31 30	76 05 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF PLUM POINT
(11 1)	38 14 00	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY EAST OF STRADDLIG P
(11 2)	38 14 30	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY EAST OF SANDY POINT
(11 3)	38 16 00	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BY EAST OF RUBEN POINT
(11 4)	38 16 30	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF ROASTING E
(11 5)	38 17 00	76 01 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF ROASTING E
(11 6)	38 18 00	76 02 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY NORTH OF OLD HOUSE
(11 7)	38 18 00	76 03 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MOUTH OF FARM CREEK OFF OF FISH
(11 8)	38 18 00	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY BETW ROASTING EAR P
(11 9)	38 18 30	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF THOROFARE
(11 10)	38 19 00	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY BETW THOROFARE PT A
(11 11)	38 19 30	76 01 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF POINT NO P
(11 12)	38 19 00	76 00 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY BETW FISHING PT AND
(11 13)	38 19 00	75 59 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY NORTHEAST OF ELLIOT
(11 14)	38 19 00	75 58 30	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	FISHING BAY NORTHEAST OF ELLIOT
(11 15)	38 20 30	75 59 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY BETW POINT NO PT AN
(11 16)	38 21 30	75 58 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY EAST OF BLACKWATER
(11 17)	38 16 30	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY EAST OF GOOSE CREEK
(11 18)	38 16 00	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTHEAST OF ROASTI
(11 19)	38 16 30	75 59 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DUCK ISLAND COVE OFF FISHING BA
(11 20)	38 15 00	76 00 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY EAST OF TEDIOUS CRE
(11 21)	38 15 00	75 59 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF DUCK ISLAN
(11 22)	38 15 00	75 58 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY BETWEEN CLAY I. MAR
(11 23)	38 14 00	75 58 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF CLAY ISLAN

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(11 24)	38 14 00	75 58 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF CLAY ISLAN
(11 25)	38 13 30	75 58 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY SOUTH OF CLAY ISLAN
(12 1)	38 13 00	75 53 30	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MOUTH OF WICOMICO R/SOUTH OF NA
(12 2)	38 13 30	75 52 30	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WICOMICO RIVER SOUTH OF MOLLIES
(12 3)	38 14 00	75 53 00	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	ELLIS BAY BTW MOLLIES PT AND BA
(12 4)	38 14 00	75 52 30	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	SOUTH OF BAY POINT
(12 5)	38 14 00	75 51 30	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NORTH OF SEMI POINT
(12 6)	38 14 30	75 52 00	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NORTH OF ISLAND POINT
(12 7)	38 15 00	75 50 30	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WEST OF PINE BEACH
(12 8)	38 15 00	75 50 00	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NORTH OF PINE BEACH
(12 9)	38 14 00	75 49 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MONIES CREEK
(12 10)	38 14 00	75 48 30	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	MOUTH OF MONIES CREEK
(12 11)	38 13 30	75 55 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NANTICOKE R NORTH OF HALL POINT
(12 12)	38 15 30	75 55 30	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER WEST OF ROARING
(12 13)	38 17 00	75 54 00	BFL	EASTERN SHORE	NANTICOKE	2060008	RAGGED POINT COVE SOUTH OF RAGG
(12 14)	38 18 00	75 55 30	ET-6	EASTERN SHORE	NANTICOKE	2060008	EAST OF SWANN CREEK COVE
(12 15)	38 18 00	75 56 00	ET-6	EASTERN SHORE	NANTICOKE	2060008	NORTHWEST OF RAGGED POINT
(12 16)	38 18 00	75 56 30	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WEST OF RAGGED POINT
(12 17)	38 18 30	75 56 30	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	LANGRELLS CREEK
(12 18)	38 18 30	75 55 00	ET-6	EASTERN SHORE	NANTICOKE	2060008	SOUTH OF NEWFOUNDLAND POINT
(12 19)	38 19 00	75 55 00	ET-6	EASTERN SHORE	NANTICOKE	2060008	SOUTH OF NEWFOUNDLAND POINT
(12 20)	38 21 00	75 53 30	ET-6	EASTERN SHORE	NANTICOKE	2060008	NORTH OF HATCROWN POINT
(12 21)	38 23 00	75 52 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NORTH OF CHAPTER POINT
(12 22)	38 23 30	75 48 30	BFL	EASTERN SHORE	NANTICOKE	2060008	REWASTICO CREEK
(12 23)	38 26 00	75 49 30	BFL	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER EAST OF POINT N
(12 24)	38 27 30	75 49 30	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER SOUTH OF REDKIN
(12 25)	38 16 00	75 56 30	ET-6	EASTERN SHORE	NANTICOKE	2060008	SOUTH OF MULBERRY POINT
(12 26)	38 15 00	75 56 00	ET-6	EASTERN SHORE	NANTICOKE	2060008	SOUTHWEST OF ROARING POINT
(12 27)	38 14 30	75 56 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NANTICOKE R EAST OF SANDY ISLAN
(12 28)	38 14 00	75 56 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF NANTICOKE R SOUTH OF F
(12 29)	38 13 00	75 57 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF NANTICOKE R BTW CLAY I
(12 108)	38 16 00	75 48 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WEST OF WHITEHAVEN
(13 1)	38 04 30	75 56 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEAR MOUTH OF MANOKIN R. SOUTH
(13 2)	38 05 30	75 55 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF MANOKIN R. BTW HAZARD
(13 3)	38 06 30	75 54 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER EAST OF CLAW POIN
(13 4)	38 07 00	75 54 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER NORTHEAST OF CLAW
(13 5)	38 07 30	75 54 00	ET-8	EASTERN SHORE	POCOMOKE	2060009	SOUTHEAST OF SHARK POINT
(13 6)	38 08 00	75 54 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	EAST OF SHARK POINT
(13 7)	38 08 30	75 52 00	BFL	EASTERN SHORE	POCOMOKE	2060009	LETTER COVE
(13 8)	38 08 30	75 50 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	MOUTH OF GEANQUAKIN CREEK
(13 9)	38 08 30	75 48 30	BFL	EASTERN SHORE	POCOMOKE	2060009	MANOKIN NORTH OF INVERNESS
(13 10)	38 09 30	75 46 00	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER
(13 11)	38 07 00	75 50 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER
(13 12)	38 06 00	75 52 30	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER
(13 13)	38 05 30	75 52 00	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN RIVER
(13 14)	38 04 00	75 52 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HAZARD COVE SOUTH OF HAZARD POI
(13 15)	38 04 00	75 52 00	BFL	EASTERN SHORE	POCOMOKE	2060009	HAZARD COVE NORTH OF PAT ISLAND
(14 1)	39 07 00	76 27 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BODKIN CREEK
(14 2)	39 07 30	76 28 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER SOUTH OF BODKIN
(14 3)	39 08 00	76 27 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER NORTH OF PARADIS
(14 4)	39 08 30	76 27 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER NORTH OF ALPINE
(14 5)	39 08 30	76 26 30	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER NORTH OF FRANKIE
(14 6)	39 10 00	76 31 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	STONY CREEK EAST OF RIVIERA BEA
(14 7)	39 10 30	76 30 30	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER NORTH OF STONY P
(14 8)	39 10 30	76 31 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NORTH OF ORCHARD BEACH
(14 9)	39 11 30	76 32 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH OF HAWKINS POINT
(14 10)	39 11 30	76 31 30	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SOUTH OF HAWKINS POINT
(14 11)	39 12 00	76 34 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	ARUNDEL COVE OFF CURTIS CREEK
(14 12)	39 11 00	76 34 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	CURTIS CREEK SOUTH OF THOMAS PO
(14 13)	39 11 00	76 35 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	FURNACE CREEK AT TIP OF POINT P
(14 14)	39 10 30	76 35 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MARLEY CREEK
(14 15)	39 15 00	76 35 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER SOUTH OF FT. MCH
(14 16)	39 14 30	76 36 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	PATAPSCO RIVER NORTH OF BROOKLY
(14 17)	39 16 30	76 37 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SPRING GARDEN CHANNEL OFF PATAP
(14 18)	39 14 00	76 31 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	OFF WEST SHORE OF SOLLERS POINT
(14 19)	39 15 30	76 30 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BULL NECK CREEK
(14 20)	39 12 00	76 27 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	OLD ROAD BAY

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(14 21)	39 11 30	76 26 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF NORTH POINT
(15 1)	37 59 00	75 51 30	BFL	EASTERN SHORE	POCOMOKE	2060009	L. ANNEMESSEX RIVER OFF HOP PT
(15 2)	37 59 30	75 52 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	L. ANNEMESSEX RIVER NORTHWEST O
(15 3)	37 58 30	75 52 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	L. ANNEMESSEX RIVER NORTH OF HA
(15 4)	37 58 00	75 53 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	L. ANNEMESSEX RIVER SOUTH OF LO
(15 5)	37 57 30	75 52 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	L. ANNEMESSEX R. WEST OF JENKIN
(15 6)	37 57 00	75 52 00	BFL	EASTERN SHORE	POCOMOKE	2060009	L. ANNEMESSEX RIVER NEAR MOUTH
(15 7)	37 58 30	75 54 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND WEST OF ISLAND PO
(15 8)	37 58 30	75 55 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND WEST OF ISLAND PO
(15 9)	38 02 00	75 51 00	BFL	EASTERN SHORE	POCOMOKE	2060009	DAUGHERTY CREEK OFF BIG ANNEMES
(15 10)	38 02 00	75 50 00	ET-9	EASTERN SHORE	POCOMOKE	2060009	JONES CREEK SOUTH OF JACKSON IS
(15 11)	38 02 00	75 49 30	ET-9	EASTERN SHORE	POCOMOKE	2060009	JONES CREEK
(15 12)	38 03 00	75 51 00	ET-9	EASTERN SHORE	POCOMOKE	2060009	MID-CHANNEL BTW FLATLAND COVE A
(15 13)	38 03 00	75 52 00	ET-9	EASTERN SHORE	POCOMOKE	2060009	AT MOUTH OF BIG ANNEMESSEX RIVE
(15 14)	38 03 30	75 52 00	ET-9	EASTERN SHORE	POCOMOKE	2060009	SOUTH OF PAT ISLAND
(15 15)	38 03 30	75 51 30	ET-9	EASTERN SHORE	POCOMOKE	2060009	EAST OF PAT ISLAND
(15 16)	38 03 30	75 51 00	ET-9	EASTERN SHORE	POCOMOKE	2060009	MID-CHANNEL BTW FLATLAND COVE A
(15 17)	38 04 00	75 49 00	BFL	EASTERN SHORE	POCOMOKE	2060009	MOON CREEK OFF MOON BAY
(15 18)	38 04 00	75 48 30	BFL	EASTERN SHORE	POCOMOKE	2060009	MOON BAY NORTH OF SANDY POINT
(15 19)	38 04 30	75 48 30	BFL	EASTERN SHORE	POCOMOKE	2060009	MOON BAY
(15 20)	38 05 30	75 46 30	ET-9	EASTERN SHORE	POCOMOKE	2060009	BIG ANNEMESSEX RIVER
(16 1)	39 23 30	76 21 00	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER RIVER SOUTH OF JOPPAT
(16 2)	39 23 30	76 22 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BIRD RIVER OFF OF GUNPOWDER R.
(16 3)	39 23 00	76 23 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BIRD RIVER
(16 4)	39 23 30	76 19 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	GUNPOWDER RIVER SOUTH OF CANAL
(16 5)	39 24 30	76 16 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	LAUDERICK CREEK NORTH OF EAGLE
(16 6)	39 24 30	76 15 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BUSH RIVER SOUTH OF FAIRVIEW PO
(16 7)	39 25 30	76 15 00	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BUSH RIVER NORTH OF FAIRVIEW PT
(16 8)	39 26 00	76 14 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BUSH RIVER EAST OF GUM POINT
(16 9)	39 27 00	76 15 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	OTTER POINT CREEK
(17 1)	37 56 00	75 52 00	BFL	EASTERN SHORE	POCOMOKE	2060009	SOUTH OF BROAD CREEK AND TYLER
(17 2)	37 55 00	75 52 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND NORTHWEST OF WAT
(17 3)	37 55 00	75 51 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND NORTHWEST OF WAT
(17 4)	37 55 00	75 50 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTHWEST OF OYS
(17 5)	37 55 00	75 49 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF WARES P
(17 6)	37 55 00	75 49 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTHEAST OF WAR
(17 7)	37 56 00	75 49 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BTW OYSTERSHELL POINT AND WARE
(17 8)	37 56 00	75 48 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF GAP POI
(17 9)	37 56 30	75 48 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BTW OYSTERSHELL POINT AND WARE
(17 10)	37 57 00	75 48 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF APE HOLE CREEK
(17 11)	37 57 30	75 47 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF ANDYS P
(17 12)	37 58 00	75 46 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF ANDYS POINT AND EAST C
(17 13)	37 57 30	75 46 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF LANGFORD SAND
(17 14)	37 57 00	75 45 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF EAST CR
(17 15)	37 57 00	75 45 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF EAST CR
(17 16)	37 57 00	75 44 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF TULLS P
(17 17)	37 57 30	75 45 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND SOUTH OF EAST CR
(17 18)	37 58 30	75 44 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST CREEK NORTHEAST OF EAST CR
(17 19)	37 57 30	75 42 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND NORTH OF NORTH E
(17 20)	37 58 00	75 42 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARUMSCO CREEK EAST OF RUMBLY P
(17 21)	37 58 00	75 41 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BTW RUMBLY PT AND WILLIAMS POIN
(17 22)	37 57 30	75 41 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND NORTH OF PIG POI
(18 1)	39 03 00	76 26 00	WT-6	WEST CHESAPEAKE	SEVERN	2060004	BTW MOUNTAIN PT AND PERSIMMON P
(18 2)	39 03 30	76 26 00	WT-6	WEST CHESAPEAKE	SEVERN	2060004	WEST SIDE OF MOUNTAIN POINT
(18 3)	39 05 00	76 28 00	WT-6	WEST CHESAPEAKE	SEVERN	2060004	SILLERY BAY EAST OF GRAYS POINT
(18 4)	39 04 30	76 28 30	WT-6	WEST CHESAPEAKE	SEVERN	2060004	SOUTH OF PARK POINT
(18 5)	39 04 00	76 29 30	WT-6	WEST CHESAPEAKE	SEVERN	2060004	BTW SOUTH FERRY PT AND ULMSTEAD
(18 6)	39 05 00	76 30 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	EAST OF PEA PATCH POINT
(18 7)	39 06 00	76 32 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	MAGOTHY RIVER EAST OF RIVERDALE
(18 8)	39 04 30	76 25 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	EAST OF GIBSON ISLAND
(18 9)	39 04 30	76 25 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GIBSON ISLAND
(18 10)	39 05 00	76 25 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GIBSON ISLAND FLAGPOLE
(18 11)	39 05 30	76 25 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF GIBSON ISLAND
(18 12)	39 06 00	76 25 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST OF GIBSON ISLAND
(19 1)	38 56 30	76 28 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	LAKE OGLETON SOUTH OF LANDS END
(19 2)	38 57 30	76 28 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTH OF CHINKS POINT
(19 3)	38 58 30	76 27 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF GREENBURY POINT

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(19 4)	39 00 00	76 29 30	WT-7	WEST CHESAPEAKE	SEVERN	2060004	NORTH OF HORSESHOE POINT
(19 5)	39 00 00	76 30 00	WT-7	WEST CHESAPEAKE	SEVERN	2060004	NEAR MOUTH OF WEEMS CREEK
(19 6)	39 00 30	76 30 00	WT-7	WEST CHESAPEAKE	SEVERN	2060004	SEVERN RIVER SOUTH OF WINCHESTE
(19 7)	39 00 30	76 30 30	WT-7	WEST CHESAPEAKE	SEVERN	2060004	MID-CHANNEL BTW LUCE CREEK AND
(19 8)	39 00 30	76 31 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	NORTH OF LUCE CREEK
(19 9)	39 02 30	76 32 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	ASQUITH CREEK
(19 10)	39 03 30	76 32 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	EAST OF HAROLD HARBOR
(19 11)	39 04 00	76 33 00	WT-7	WEST CHESAPEAKE	SEVERN	2060004	SULLIVAN COVE SOUTH OF SEVERNA
(19 12)	39 04 30	76 35 30	WT-7	WEST CHESAPEAKE	SEVERN	2060004	STEVENS CREEK EAST OF PT LOOKOU
(19 13)	39 04 30	76 36 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	WEST OF MATHEWS POINT
(19 14)	38 58 30	76 25 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HACKETT POINT
(19 15)	38 59 30	76 25 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF HACKETT POINT
(20 1)	38 31 30	76 40 30	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER NORTH OF TOWN PO
(20 2)	38 32 00	76 40 00	RET-1	PATUXENT	PATUXENT	2060006	PATUXENT RIVER EAST OF CHALK PO
(20 3)	38 32 00	76 41 00	RET-1	PATUXENT	PATUXENT	2060006	SWANSON CREEK OFF PATUXENT RIVE
(20 4)	38 32 30	76 41 00	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER EAST OF CHALK PO
(20 5)	38 32 30	76 41 30	RET-1	PATUXENT	PATUXENT	2060006	SWANSON CREEK EAST OF CHALK POI
(20 6)	38 32 30	76 42 00	RET-1	PATUXENT	PATUXENT	2060006	SWANSON CREEK EAST OF CHALK POI
(20 7)	38 33 30	76 40 00	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER SOUTH OF POTTS P
(20 8)	38 34 00	76 40 00	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER NORTHWEST OF POT
(20 9)	38 34 00	76 41 00	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER EAST OF HERMAN P
(20 10)	38 36 30	76 40 30	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER NORTHWEST OF HOL
(20 11)	38 38 00	76 41 30	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT R. SOUTH OF LOWER MARL
(20 12)	38 39 00	76 41 30	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT SOUTH OF LOWER MARLBOR
(20 13)	38 41 30	76 42 00	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT R. NORTH OF LOWER MARL
(20 14)	38 42 00	76 42 00	BFL	PATUXENT	PATUXENT	2060006	PATUXENT R. NORTH OF LOWER MARL
(20 15)	38 29 30	76 40 30	BFL	PATUXENT	PATUXENT	2060006	NORTH OF LONG POINT
(20 16)	38 30 00	76 39 00	BFL	PATUXENT	PATUXENT	2060006	SOUTH OF HALLOWING POINT
(20 17)	38 29 00	76 39 30	RET-1	PATUXENT	PATUXENT	2060006	BETWEEN LONG POINT AND SHERIDAN
(20 18)	38 28 00	76 40 00	BFL	PATUXENT	PATUXENT	2060006	NORTH OF BILLARD POINT
(20 19)	38 28 00	76 39 00	LE-1	PATUXENT	PATUXENT	2060006	SOUTH OF SANDY POINT
(20 20)	38 26 00	76 38 00	LE-1	PATUXENT	PATUXENT	2060006	SOUTH OF KITT POINT
(20 21)	38 27 30	76 35 30	BFL	PATUXENT	PATUXENT	2060006	BATTLE CREEK WEST OF LONG COVE
(20 22)	38 23 30	76 35 30	BFL	PATUXENT	PATUXENT	2060006	NORTH OF ROSLIN CREEK
(20 23)	38 24 30	76 33 30	LE-1	PATUXENT	PATUXENT	2060006	EAST OF BROOMES ISLAND
(20 24)	38 24 00	76 33 30	LE-1	PATUXENT	PATUXENT	2060006	BTW BROOMES I. AND CAPTAINS PT
(20 25)	38 22 30	76 32 00	BFL	PATUXENT	PATUXENT	2060006	SOUTH OF SOTTERLEY POINT
(20 26)	38 24 00	76 29 30	BFL	PATUXENT	PATUXENT	2060006	ST. LEONARD CREEK
(20 27)	38 25 00	76 29 00	BFL	PATUXENT	PATUXENT	2060006	ST. LEONARD CREEK NORTH OF BREE
(20 28)	38 22 00	76 28 30	LE-1	PATUXENT	PATUXENT	2060006	HELLEN CREEK NORTH OF TONGUE CO
(20 29)	38 21 30	76 28 30	BFL	PATUXENT	PATUXENT	2060006	TONGUE COVE OFF HELLEN CREEK
(20 30)	38 21 30	76 27 30	BFL	PATUXENT	PATUXENT	2060006	HUNGERFORD CREEK
(20 31)	38 20 30	76 28 30	LE-1	PATUXENT	PATUXENT	2060006	BTW HOOPERS NECK AND POINT PATI
(20 32)	38 20 00	76 29 30	BFL	PATUXENT	PATUXENT	2060006	WEST OF POINT PATIENT
(20 33)	38 20 00	76 30 00	BFL	PATUXENT	PATUXENT	2060006	MILL CREEK
(20 34)	38 20 30	76 30 00	BFL	PATUXENT	PATUXENT	2060006	SOUTH OF HALF PONE POINT
(20 35)	38 21 00	76 30 30	LE-1	PATUXENT	PATUXENT	2060006	CUCKOLD CREEK
(20 36)	38 21 00	76 30 00	BFL	PATUXENT	PATUXENT	2060006	NORTH OF HALF PONE POINT
(20 37)	38 20 00	76 28 30	BFL	PATUXENT	PATUXENT	2060006	EAST OF POINT PATIENCE
(20 38)	38 19 00	76 29 30	BFL	PATUXENT	PATUXENT	2060006	KINGSTON CREEK
(20 39)	38 19 00	76 26 30	LE-1	PATUXENT	PATUXENT	2060006	BTW DRUM PT AND SANDY PT
(20 40)	38 19 30	76 27 30	BFL	PATUXENT	PATUXENT	2060006	NORTH OF SOLOMONS ISLAND
(20 41)	38 20 30	76 27 30	LE-1	PATUXENT	PATUXENT	2060006	ST JOHNS CREEK
(20 42)	38 20 00	76 27 00	LE-1	PATUXENT	PATUXENT	2060006	MILL CREEK
(20 43)	38 20 30	76 27 00	BFL	PATUXENT	PATUXENT	2060006	ST JOHNS CREEK
(20 44)	38 19 30	76 27 00	BFL	PATUXENT	PATUXENT	2060006	NORTH OF SOLOMONS ISLAND
(20 45)	38 19 30	76 26 30	BFL	PATUXENT	PATUXENT	2060006	NORTHWEST OF DRUM POINT
(20 46)	38 18 00	76 25 30	LE-1	PATUXENT	PATUXENT	2060006	NORTH OF FISHING POINT
(20 47)	38 18 30	76 24 00	BFL	PATUXENT	PATUXENT	2060006	NEAR MOUTH OF PATUXENT
(20 48)	38 18 00	76 22 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF CEDAR POINT
(20 49)	38 21 30	76 23 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF LITTLE COVE POINT
(20 50)	38 22 00	76 23 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF LITTLE COVE POINT
(21 1)	39 17 00	76 24 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER EAST OF TURKEY POI
(21 2)	39 18 30	76 25 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER NORTH OF WILSON PO
(21 3)	39 18 30	76 25 00	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER EAST OF WILSON POI
(21 4)	39 15 30	76 21 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY EAST OF MILLER ISLAND
(21 5)	39 15 30	76 22 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF MILLER ISLAND

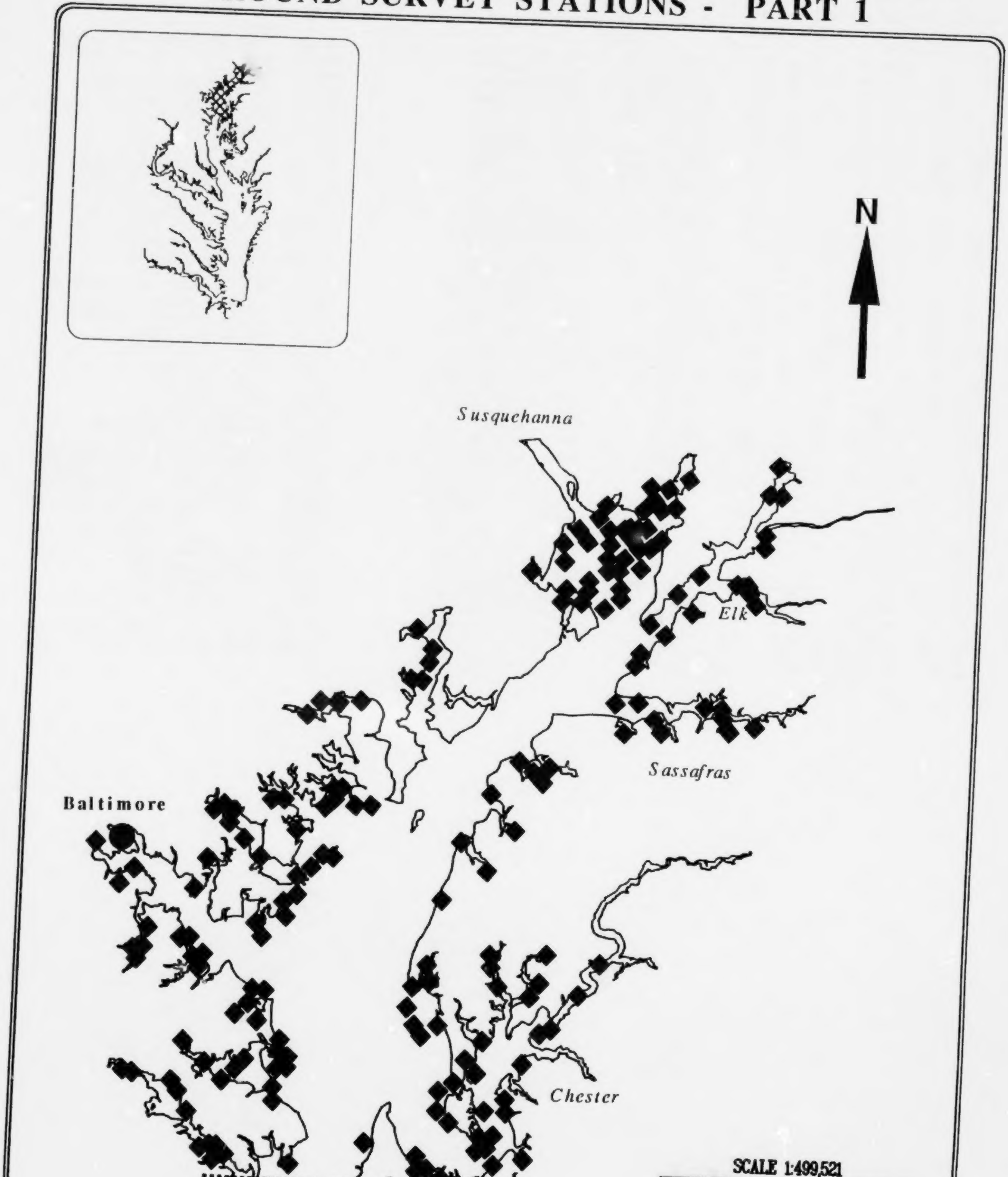
MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(21 6)	39 15 00	76 23 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HAWK COVE
(21 7)	39 14 30	76 24 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF BACK RIVER
(21 8)	39 13 30	76 24 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF BLACK MARSH
(21 9)	39 13 00	76 25 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BLACK MARSH
(21 10)	39 12 30	76 25 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF BLACK MARSH
(21 11)	39 15 30	76 26 30	WT-4	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER WEST OF WITCHCOAT PO
(21 12)	39 16 30	76 27 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER SOUTHWEST OF WALNUT
(21 13)	39 17 30	76 28 30	WT-4	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER WEST OF COX POINT
(21 14)	39 18 00	76 28 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER NORTH OF MARSH POINT
(21 15)	39 18 00	76 29 00	WT-4	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BACK RIVER NORTH OF MARSH POINT
(21 16)	39 18 00	76 29 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NORTHEAST CREEK
(21 17)	39 18 00	76 22 00	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	MIDDLE RIVER SOUTH OF MIAMI BEA
(21 18)	39 18 30	76 21 30	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SENECA CREEK SOUTH OF BRIER POI
(21 19)	39 19 00	76 21 00	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	HAWTHORN CREEK
(21 20)	39 19 00	76 21 30	WT-3	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	SENECA CREEK WEST OF STUBBY ISL
(21 21)	39 18 00	76 20 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF WIER POINT
(21 22)	39 18 00	76 19 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MOUTH OF GUN POWDER RIVER
(22 1)	38 24 00	76 23 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHWEST OF COVE POINT
(22 2)	38 28 00	76 28 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF CALVERT BEACH
(22 3)	38 29 30	76 29 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF KENWOOD BEACH
(22 4)	38 33 00	76 31 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF DARES BEACH
(22 5)	38 33 30	76 31 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	OFF SHORE OF DARES BEACH
(22 6)	38 35 00	76 31 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTH OF PLUM POINT
(22 7)	38 35 00	76 30 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF PLUM POINT
(22 8)	38 37 30	76 31 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	NORTH OF PLUM POINT
(22 9)	38 44 00	76 33 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	HERRING BAY
(22 10)	38 45 00	76 32 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HERRING BAY
(22 11)	38 46 00	76 32 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HERRING BAY SOUTH OF OWINGS BEA
(22 12)	38 46 00	76 32 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HERRING BAY SOUTH OF OWINGS BEA
(22 13)	38 46 30	76 32 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	PARKER CREEK
(22 14)	38 46 00	76 33 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF OWINGS BEACH
(22 15)	38 46 30	76 34 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	ROCKHOLD CREEK
(22 16)	38 47 30	76 30 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF BATTEES POINT
(22 17)	38 48 30	76 30 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTHWEST OF FRANKLIN POINT
(22 18)	38 49 00	76 30 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTH OF FRANKLIN POINT
(22 19)	38 50 30	76 28 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EAST OF HORSESHOE POINT
(22 20)	38 51 30	76 29 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEAR MOUTH OF WEST RIVER
(22 21)	38 52 00	76 29 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEAR MOUTH OF WEST RIVER
(23 22)	38 50 30	76 30 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	PARISH CREEK SOUTHWEST OF CURTI
(23 23)	38 49 30	76 31 30	BFL	WEST CHESAPEAKE	SEVERN	2060004	SOUTH CREEK EAST OF BACK BAY BE
(23 24)	38 50 00	76 32 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	SOUTHWEST OF CHALK POINT
(23 25)	38 53 00	76 32 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	SELLMAN CREEK OFF RHODE RIVER
(23 26)	38 55 30	76 29 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	SOUTH RIVER AT MOUTH OF DUVALL
(23 27)	38 57 30	76 32 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	CHURN CREEK NORTH OF LARRIMORE
(23 28)	38 56 30	76 34 30	WT-8	WEST CHESAPEAKE	SEVERN	2060004	SOUTH RIVER WEST OF RT 2 BRIDGE
(23 29)	38 55 30	76 27 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF TOLLY POINT
(24 1)	38 58 30	76 15 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	KENT ISLAND NARROWS NORTH OF RO
(24 2)	38 59 00	76 16 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	PINEY CREK OFF CHESTER RIVER
(24 3)	38 59 00	76 16 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST OF MACUM CREEK
(24 4)	39 01 30	76 14 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BTW WICKES BEACH AND BAYBUSH PO
(24 5)	39 02 00	76 15 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF EASTERN NECK ISLAND
(24 6)	39 03 00	76 15 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF EASTERN NECK ISLAND
(24 7)	39 03 30	76 14 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF WILSON POINT
(24 8)	39 06 00	76 16 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF EASTERN NECK
(24 9)	39 06 30	76 15 00	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTH OF HUNTINGFIELD POINT
(24 10)	39 08 30	76 16 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NEAR MOUTH OF TAVERN CREEK
(24 11)	39 09 00	76 15 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	TAVERN CREEK
(24 12)	39 09 30	76 15 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TAVERN CREEK
(24 13)	39 00 30	76 12 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST OF CEDAR POINT
(24 14)	39 00 00	76 12 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF CEDAR POINT
(24 15)	39 00 00	76 12 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF HAIL POINT
(24 16)	39 00 30	76 11 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF HAIL POINT
(24 17)	39 02 00	76 12 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH OF HAIL POINT
(24 18)	39 04 30	76 13 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	OFF GUM POINT
(24 19)	39 04 00	76 12 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF GUM POINT
(24 20)	39 05 30	76 12 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST OF GRAYS INN POINT
(24 21)	38 59 00	76 11 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTHWEST OF COURSEY POINT

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS (Cont'd)

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
(24 22)	38 59 30	76 09 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LITTLE QUEENSTOWN CREEK @ QUEEN
(24 23)	39 02 00	76 10 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EARLE COVE OFF TILGHMAN CREEK
(24 24)	39 02 30	76 10 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	REED CREEK
(24 25)	39 04 30	76 09 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BTW HOLTON POINT AND CORDON PT
(24 26)	39 06 00	76 08 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF COMEGYS BIGHT
(24 27)	39 06 00	76 07 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SOUTH OF DEEP PT
(24 28)	39 08 00	76 05 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	JARRETT CREEK
(24 29)	39 09 30	76 04 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF WILMER POINT
(24 30)	39 08 00	76 08 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST FORK EAST OF ROCK POINT
(24 31)	39 08 30	76 08 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	PHILIP CREEK OFF EAST FORK
(24 32)	39 10 00	76 07 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EAST FORK NORTH OF FLAT POINT
(24 33)	39 08 30	76 11 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST FORK EAST OF WHALE POINT
(24 34)	39 09 30	76 11 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SHIPYARD CREEK OFF WEST FORK
(24 35)	39 10 00	76 11 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SHIPYARD CREEK OFF WEST FORK
(24 103)	38 59 30	76 16 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NORTH OF MACUM CREEK
(25 1)	39 00 30	76 20 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF KENT ISLAND
(25 2)	38 57 30	76 21 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF KENT ISLAND/SOUTH OF BA
(25 3)	38 55 30	76 22 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY SOUTHEAST OF TOLLY POIN
(25 4)	38 54 30	76 22 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MID-BAY SOUTHEAST OF TOLLY POIN
(25 5)	38 54 00	76 21 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WEST OF PRICE CREEK
(25 6)	38 53 00	76 22 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF BLOODY POINT
(25 7)	38 52 00	76 22 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF BLOODY POINT
(25 8)	38 49 30	76 23 00	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SOUTHWEST OF KENT POINT
(26 1)	37 57 30	75 59 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF GREAT PT AND COW PT
(26 2)	37 59 00	75 59 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF ISLAND POINT
(26 3)	37 59 30	75 59 30	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHWEST OF ISLAND POINT
(26 4)	38 00 00	75 59 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF ISLAND POINT
(26 5)	38 00 30	75 59 30	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND WEST OF JANES ISL
(26 6)	38 00 30	75 58 00	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BETWEEN FLATCAP PT AND ISLAND P
(26 7)	37 59 30	76 01 30	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BIG THOROFARE IN CENTER OF SMIT
(26 8)	38 00 30	76 01 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BIG THOROFARE NORTH OF TROY ISL
(26 9)	38 01 00	76 02 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ABOVE BIG THOROFARE
(26 10)	38 00 00	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF SMITH ISLAND
(26 11)	38 00 30	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF SMITH ISLAND
(26 12)	38 01 30	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF FOG POINT
(26 13)	38 02 00	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF FOG POINT
(26 14)	37 59 00	76 03 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF SMITH ISLAND
(26 15)	37 57 30	76 03 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WEST OF HOG NECK
(26 16)	37 58 30	76 02 00	BFL	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TYLER CREEK ON SMITH ISLAND
(26 17)	37 57 30	76 00 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TYLER CREEK EAST OF HORSE HAMMO

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS - PART 1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Sassafras
Baltimore
Chester
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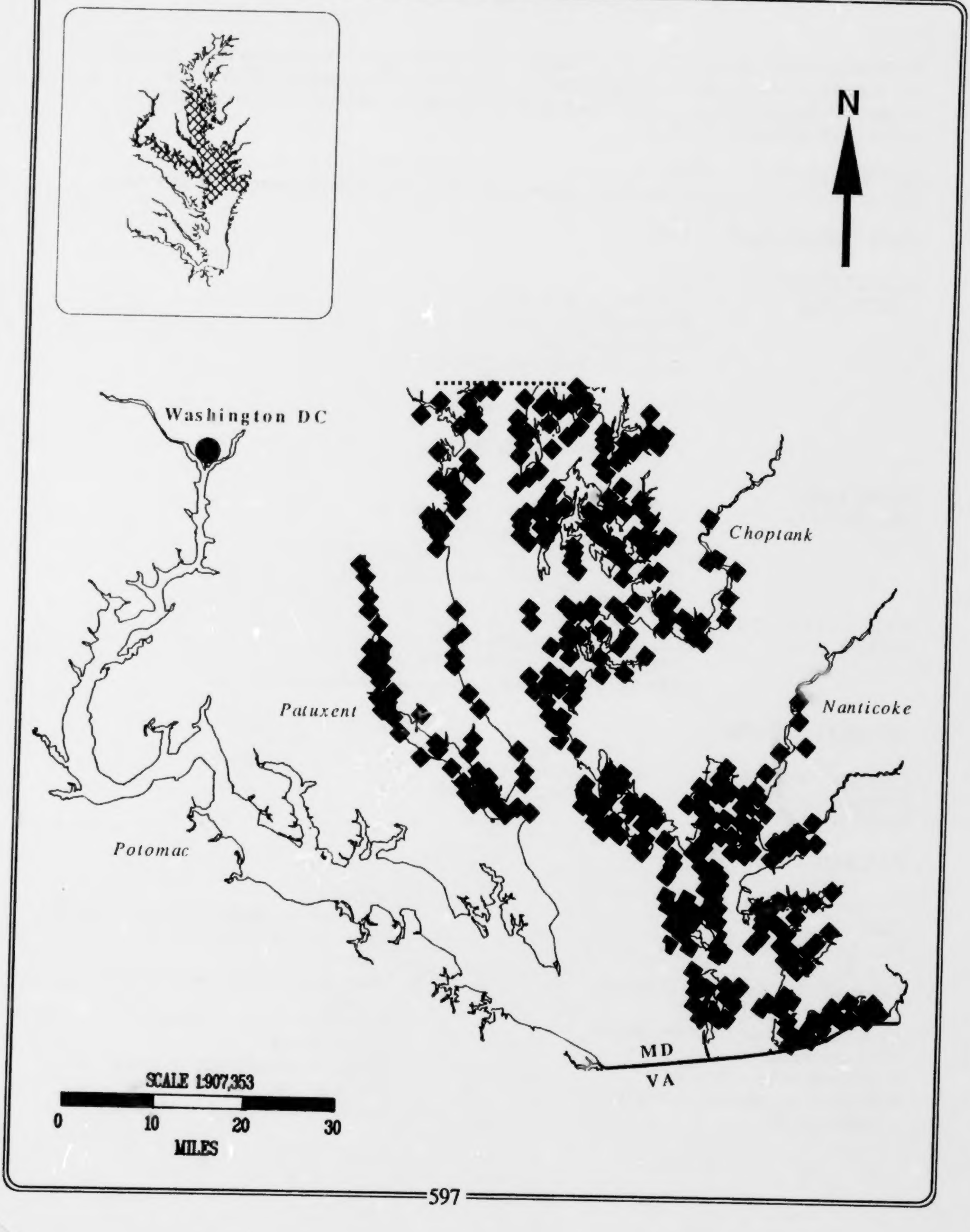
10
15

MARYLAND SUBMERGED AQUATIC VEGETATION GROUND SURVEY STATIONS - PART 2


N
Washington DC
Choptank
Patuxent
Nanticoke
Potomac
MD
VA
SCALE 1:907,353
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10
20
30
MILES

CITIZEN'S SUBMERGED AQUATIC VEGETATION HUNT PROGRAM

PROGRAM DESCRIPTION: The Citizen's Submerged Aquatic Vegetation Hunt Program was initiated to assist in the characterization of submerged aquatic vegetation (SAV) in the Chesapeake Bay as part of an overall effort to document the needed conditions and successful techniques to revegetate the Bay.

PROGRAM OBJECTIVES: To verify presence and determine species composition of SAV in areas of the Chesapeake Bay and its tributaries which have been photo-interpreted as SAV beds.

DATE INITIATED: 1985

COORDINATING AGENCIES:

U.S. Fish & Wildlife Service
Chesapeake Bay Estuary Program
900 Bestgate Road
Annapolis, Maryland 21401

Chesapeake Bay Foundation
162 Prince George Street
Annapolis, Maryland 21401

FUNDING AGENCIES:

U.S. Fish and Wildlife Service
Chesapeake Bay Foundation
Citizen's Program for the Chesapeake Bay
Maryland Department of Natural Resources

PARTICIPATING AGENCIES:

U.S. Fish and Wildlife Service (FWS)
Chesapeake Bay Foundation (CBF)
Citizen's Program for the Chesapeake Bay (CPCB)

INVESTIGATORS:

Program Coordinator	Linda Hurley	FWS
Program Coordinator	Margaret Podlich	CBF
Participating Citizens		

PARAMETERS:

Weather Conditions
Tide
SAV Location
SAV Species:
Ceratophyllum demersum (coontail)
Chara spp. (muskgrass)
Elodea canadensis (common elodea)
Heteranthera dubia
Hydrilla verticilla (hydrilla)
Myriophyllum spicatum (eurasion watermilfoil)
Najas spp.
Potamogeton crispus (curly pond weed)
Potamogeton pectinatus (sago pondweed)
Potamogeton perfoliatus (redhead grass)
Potamogeton pusillus (slender pond weed)
Ruppia maritima (widgeon grass)
Ulva spp.
Vallisneria americana (wild celery)

Zanichellia palustris (horned pondweed)

Zostera marina (eelgrass)

STATIONS: Areas are identified by the previous years' aerial reconnaissance and, thus, change from year to year.

SAMPLE COLLECTION: Volunteers are provided with SAV identification guides, reduced SAV quadrangle maps and data sheets. SAV bed locations are affirmed at low tide through the use of a canoe, zodiac, rowboat, etc. Unidentified samples are forwarded to FWS for identification.

PROGRAM INTEGRATION: The ground-truthing of the Chesapeake Bay Submerged Aquatic Vegetation Aerial Survey assists in ensuring quality data on the distribution of SAV in the Chesapeake Bay.

MARYLAND CHARTER BOAT CAPTAIN'S SUBMERGED AQUATIC VEGETATION GROUND SURVEY PROGRAM

PROGRAM DESCRIPTION: The Maryland Charter Boat Captain's Submerged Aquatic Vegetation Ground Survey Program was initiated to assist in the characterization of submerged aquatic vegetation (SAV) in the Chesapeake Bay in an overall effort to document the needed conditions and successful techniques to revegetate the Bay.

PROGRAM OBJECTIVES: To verify abundance and determine species composition of SAV in the upper Chesapeake Bay and its tributaries which have been photointerpreted as SAV beds.

DATE INITIATED: 1985

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Coastal Resources Division
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources

PARTICIPATING AGENCIES:

Maryland Department of Natural Resources (MDDNR)
Maryland Charterboat Captains Association (MCCA)

INVESTIGATORS:

Program Coordinator	David Bleil	MDDNR
Principal Investigator	Bob Goldstein	MCCA
Principal Investigator	George Horn	MCCA
Principal Investigator	Joe Mann	MCCA

PARAMETERS:

Weather Conditions
Tide
SAV Location
SAV Density Classification (as percent coverage):
1. Very Sparse, 0-10%
2. Sparse, 10-40%
3. Moderate, 40-70%
4. Dense, 70-100%

SAV Species:
Agardhiella spp. (green algae)
Ceratophyllum demersum (coontail)
Ceramium
Champia parvula
Chara (muskgrass)
Chlorophyta (unid green algae)
Dasya spp.
Elodea canadensis (common elodea)
Enteromorpha spp.
Gracilaria spp.
Heteranthera dubia
Hydrilla verticilla (hydrilla)
Myriophyllum spicatum (eurasion watermilfoil)
Najas guadalupensis (naiad)
Phaeophyta (unid brown algae)
Potamogeton crispus (curly pondweed)
Potamogeton pectinatus (sago pondweed)
Potamogeton perfoliatus (redhead grass)
Potamogeton pusillus (slender pondweed)

Polysiphonia
Rhodophyta (unid red algae)
Ruppia maritima (widgeongrass)
Ulva spp.
Vallisneria americana (wild celery)
Zanichellia palustris (horned pondweed)
Zostera marina (eelgrass)

STATIONS: Areas to be surveyed are identified by the previous years' aerial reconnaissance and change from year to year.

SAMPLE COLLECTION: Boat captains are provided with reduced SAV quadrangle maps to aid in location of SAV beds and data sheets on which to record information on each SAV bed identified. Identification and sampling, when onsite identification is not possible, is undertaken at low tide. Samples are placed in plastic bags and sent to MDDNR for identification.

PROGRAM INTEGRATION: The ground-truthing of the SAV aerial reconnaissance project improves the quality of data reported annually on the distribution of SAV in the Chesapeake Bay and allows for species identification of photointerpreted SAV beds.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING PROGRAM - FLORA AND VEGETATION COMPONENT

PROGRAM DESCRIPTION: The Susquehanna Steam Electric Station Monitoring Program - Flora and Vegetation Component is one part of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station (Susquehanna SES). Through this program, quantitative vegetation studies are conducted in four upland forest plots each July, and floristic studies are conducted along the banks of the Susquehanna in the vicinity of the Susquehanna SES monthly from March to October.

PROGRAM OBJECTIVE: To evaluate the environmental impact of the Susquehanna SES by comparing preoperational (pre-1983) and operational flora and vegetation data.

DATE INITIATED: 1977

COORDINATING AGENCY:

Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Ecology III, Inc.
Susquehanna SES Biological Laboratory
R.D. 1
Berwick, Pennsylvania 18603

FUNDING AGENCY:

Pennsylvania Power and Light Company
Allegheny Electric Cooperative, Inc.

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Ecology III, Inc. (EIII)

INVESTIGATORS:

Program Director	Jerome S. Fields	PP&L
Principal Investigator	James D. Montgomery	EIII

PARAMETERS:

Quantitative Vegetation Studies:
- Taxa Identification
- Taxa Abundance (selected plant communities)
- Frequency
- Relative Frequency
- Density
- Relative Density
- Dominance
- Relative Dominance
- Importance Value

Flora Studies:
- Taxa Identification
- Abundance of Taxa in Flower or Sporing
- Incidence Parasitic Plant Diseases for Each Host Species
- Frequency of Parasitic Plant Diseases
- Relative Effect of Parasitic Plant Diseases on Host

STATIONS: There are four upland forest plots at which quantitative vegetation studies are conducted; three plots (Township Road 419 Forest, Council Cup Forest and Quarry Hill Forest) are located near the Susquehanna SES and one, near Elimsport, Pennsylvania, serves as a control station. Flora studies are conducted along the banks of the Susquehanna in the vicinity of the Susquehanna SES.

Note: The latitude and longitude given in the Stations Listing approximate the center of each plot.

SAMPLE COLLECTION: The quantitative vegetation studies are conducted in July. Forest plots are sampled for trees and saplings using 10x10 m quadrats and for seedlings using nested 1x1 m quadrats. Frequency, relative frequency, density, relative density, dominance and relative dominance are calculated. Importance value is found as the sum of the relative frequency + relative density + relative dominance. Density is not used for shrubs, herbs and ground cover.

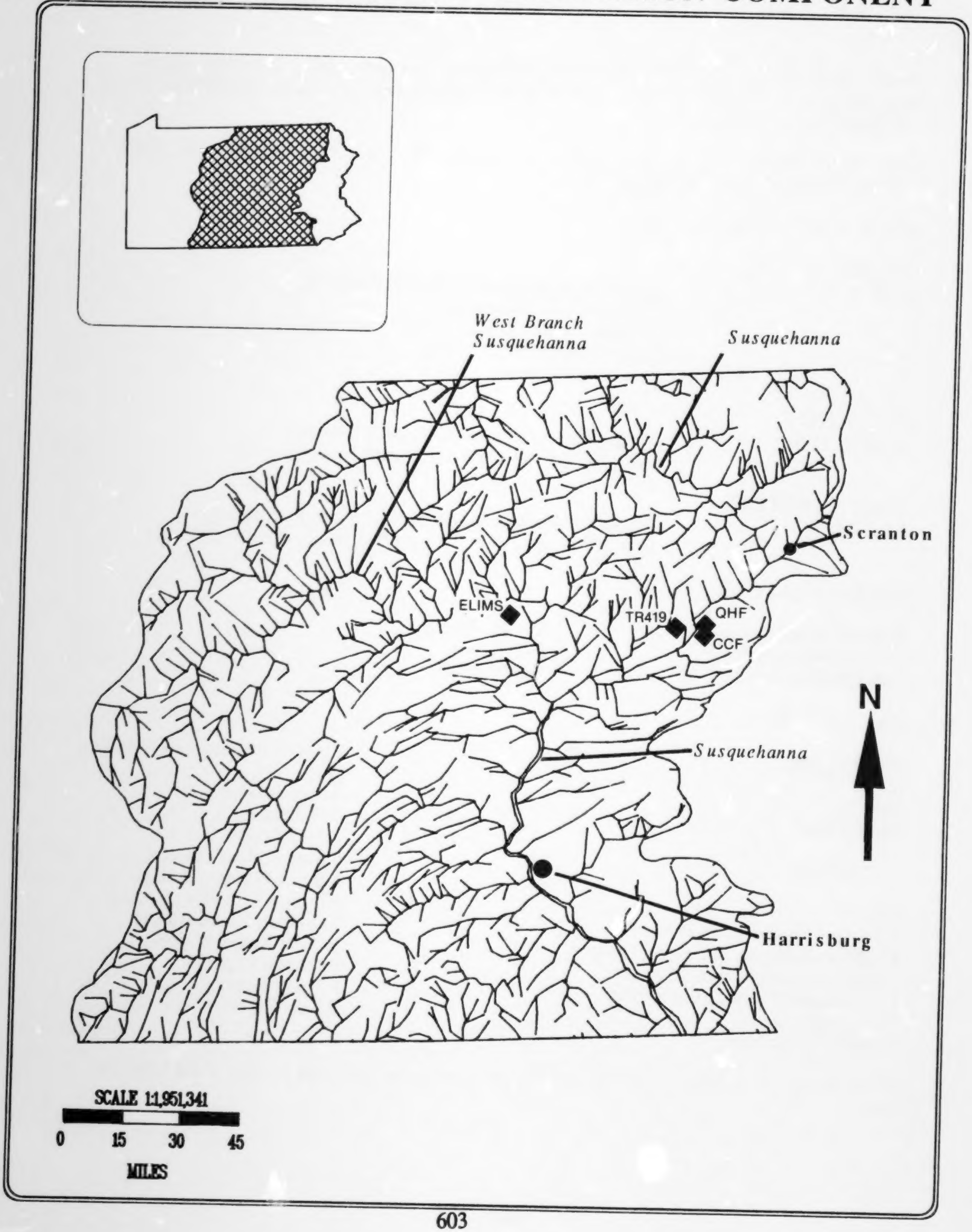
Floristic studies are conducted once a month from March through October. Observations are made on both sides of the Susquehanna River in the vicinity of the Susquehanna SES. In addition to general observations, transects for systematic observation are established. Nine "salt drift" transects were originally selected for observing possible effects of moisture and salt drift from the Susquehanna SES cooling towers during operation. Not all of these transects have been used in most recent studies. The following are recorded on each salt drift transect: all plant taxa in flower (shedding spores for ferns), all parasitic plant diseases observed according to host species, and frequency and relative effect of the disease on the host. Identifications of vascular plants, ferns and grasses are also made.

PROGRAM INTEGRATION: The Susquehanna Steam Electric Station Monitoring Program - Flora and Vegetation Component is one component of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - FLORA AND VEGETATION COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CCF	41 04 42	76 06 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	COUNCIL CUP FOREST
ELIMS	41 10 15	76 59 27	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	ELIMSPORT, PA
QHF	41 06 10	76 07 19	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	QUARRY HILL FOREST
TR419	41 07 05	76 08 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	TOWNSHIP ROAD 419 FOREST

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - FLORA AND VEGETATION COMPONENT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Susquehanna
Scranton
ELIMS
TR419
QHF
CCF
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

MARYLAND OYSTER SPAT AND CONDITION INDEX PROGRAM

PROGRAM DESCRIPTION: The Maryland Oyster Spat and Condition Index program monitoring is conducted at 55 oyster bars in the Maryland portion of the Chesapeake Bay, in the fall of each year.

PROGRAM OBJECTIVE: To determine recruitment index and condition of oysters in the Maryland portion of the Chesapeake Bay.

DATE INITIATED: 1939

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Chesapeake Bay Research and Monitoring Division (Oxford)
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources
National Oceanic and Atmospheric Administration

PARTICIPATING AGENCIES:

Maryland Department of Natural Resources (MDDNR)
U of MD, Horn Point Environmental Laboratories (HPEL)

INVESTIGATORS:

Principal Investigator	George Krantz	DNR
Principal Investigator	Bill Outten	DNR
Principal Investigator	Don Webster	HPEL

PARAMETERS:

Water Column:
Depth
Salinity
Temperature

Bottom Type

Oysters:
Spat per Bushel of Oysters
Spat on Substrate other than Oysters
licks to obtain 1/2 bushel oysters
Size composition of living oysters
Meat Quality
Gonadal Conditions

Relative Abundance of Fouling Organisms
New Boxes
Old Boxes
# Spat Boxes
Market Boxes caused by Oyster Drill
Small Boxes caused by Oyster Drill
Oyster Drill Egg Clutches
% Market Boxes Buried
% Spat Boxes Buried
# Market Gapers
# Small Gapers
# Spat Gapers

STATIONS: Samples are collected at 55 oyster bars in the Maryland portion of the Chesapeake Bay.

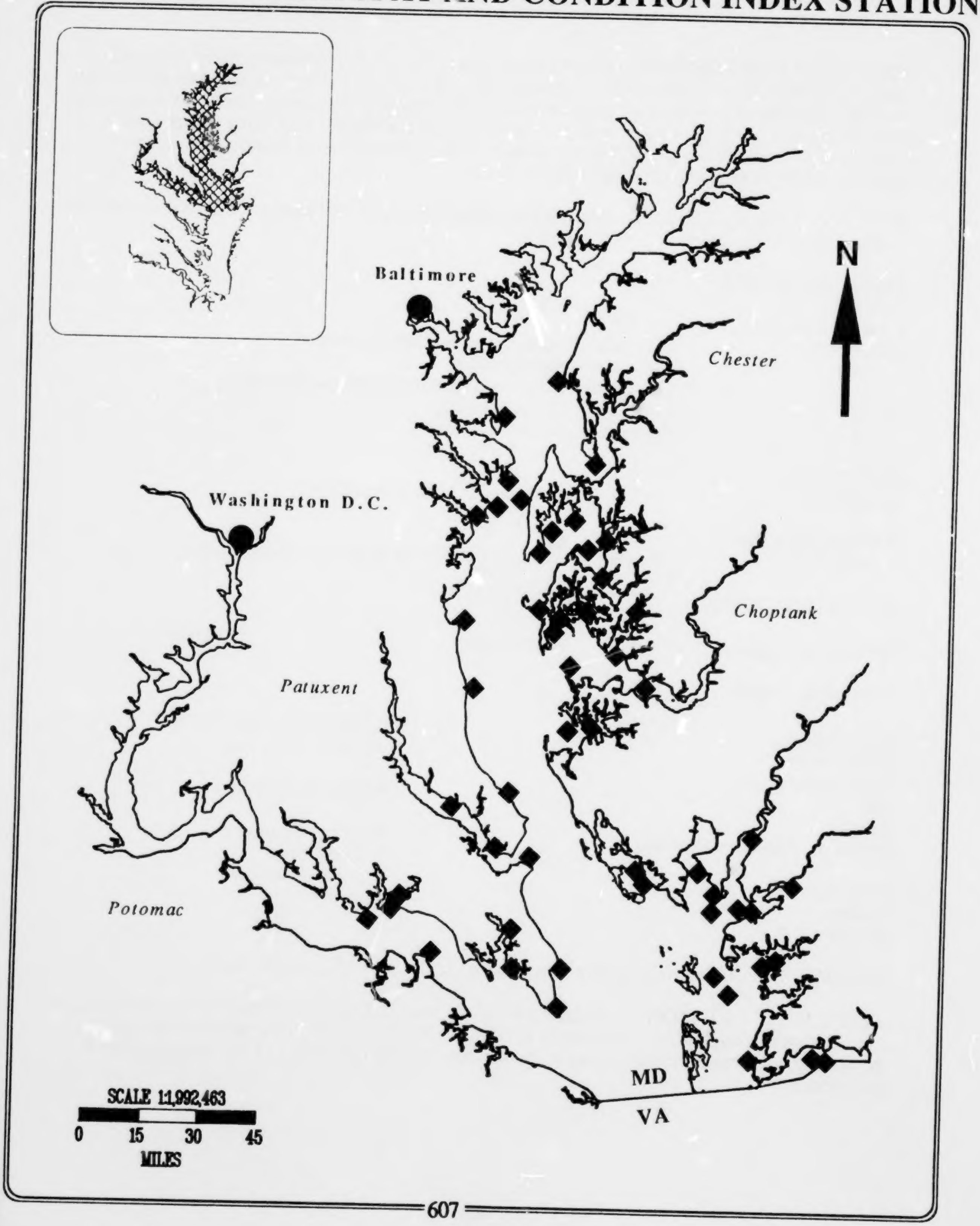
SAMPLE COLLECTION: Depth, bottom type, surface salinity and surface temperature are measured at each bar. Oyster collection is conducted by dredging 2 1/2 bushels of oysters, which are analyzed for the number of spat living on live and dead oyster shells, as well as a variety of additional parameters (listed above).

PROGRAM INTEGRATION: N/A

MARYLAND OYSTER SPAT AND CONDITION INDEX STATIONS

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
025	39 08 67	76 18 01	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER BAY EAST/SWAN POINT
025	39 05 33	76 24 71	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ANNE ARUNDEL/MOUNTAIN POINT
027	38 56 42	76 22 72	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	KENT SHORE/BRICKHOUSE
027	38 45 00	76 21 30	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	EASTERN BAY/SHELL HILL
027	38 58 45	76 25 20	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ANNE ARUNDEL/HACKETTS POINT
027	38 56 09	76 25 94	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	UPPER BAY WEST/TOLLYS POINT
027	38 44 25	76 30 90	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER BAY WEST/HOLLAND POINT
027	38 36 65	76 30 22	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER BAY WEST/PLUM POINT
027	38 26 06	76 25 70	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	UPPER BAY WEST/FLAG POND
039	38 51 14	76 21 07	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY/HOLLICUTT NOOSE
039	38 54 21	76 15 63	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY/PARSONS ISLAND
039	38 53 25	76 18 82	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	EASTERN BAY/WILDGROUND
043	38 16 60	76 01 11	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY/GOOSE CREEK
043	38 14 23	75 59 02	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FISHING BAY/CLAY ISLAND
047	38 16 59	76 09 32	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA/WINDMILL POINT
047	38 15 50	76 08 05	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HONGA/NORMANS
053	38 32 25	76 13 98	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK/BUTTER POT
053	38 32 19	76 17 51	EE-2	EASTERN SHORE	CHOPTANK	2060005	LITTLE CHOPTANK/RAGGED POINT
057	38 07 27	75 50 84	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN/GEORGES
057	38 06 65	75 52 16	ET-8	EASTERN SHORE	POCOMOKE	2060009	MANOKIN/DRUM POINT
060	38 51 19	76 14 22	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES RIVER/TURTLEBACK
060	38 47 83	76 12 47	BFL	EASTERN SHORE	CHESTER-SASSAFRASS	2060002	MILES RIVER/ASHCROFT
062	38 13 11	75 55 61	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE/MIDDLE GROUND
062	38 20 35	75 52 93	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NANTICOKE/UPPER STAKE
072	37 57 06	75 44 64	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE/MARUMSCO
072	37 56 67	75 45 86	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE/GRUNBY
078	38 11 44	76 26 07	LE-2	POTOMAC	LOWER POTOMAC	2070011	ST. MARY'S/SEMINARY
078	38 07 24	76 26 14	LE-2	POTOMAC	LOWER POTOMAC	2070011	ST. MARY'S/CHICKEN COCK
088	38 55 12	76 29 32	WT-8	WEST CHESAPEAKE	SEVERN	2060004	UPPER BAY WEST/SAUNDERS POINT
096	38 15 15	75 48 20	ET-7	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WICOMICO/MT. VERNON WHARF
099	38 51 67	76 11 66	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE RIVER/BRUFFS ISLAND
131	38 59 85	76 12 86	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESTER/BONY ROCK
137	38 39 58	76 11 28	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK/LIGHTHOUSE
137	38 38 69	76 16 85	EE-2	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK/COOK'S POINT
168	38 19 72	76 28 06	BFL	PATUXENT	PATUXENT	2060006	PATUXENT/BACKOF ISLAND
168	38 18 68	76 23 13	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER BAY WEST/HOG ISLAND
174	38 14 76	76 41 11	LE-2	POTOMAC	LOWER POTOMAC	2070011	BRETON BAY/BLACK WALNUT
174	38 13 79	76 42 06	BFL	POTOMAC	LOWER POTOMAC	2070011	ST. CLEMENTS/BLUE SOW
177	38 03 07	76 20 05	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC/CORNFIELD HARBOR
192	38 05 37	75 58 65	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND/TURTLE EGG ISLAND
192	38 04 10	75 56 95	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND/PINEY ISLAND W.
192	37 56 66	75 55 06	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND/GREAT ROCK
229	38 06 76	76 19 40	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	LOWER BAY WEST/BUTLERS
237	38 35 97	76 06 73	ET-5	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK/SANDY HILL
268	38 24 28	76 33 51	LE-1	PATUXENT	PATUXENT	2060006	PATUXENT/BROOME ISLAND
277	38 12 63	76 44 90	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC/SHEEPSHEAD BAY
277	38 09 28	76 35 97	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC/RAGGED POINT
292	38 12 57	75 59 29	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	TANGIER SOUND/SHARKFIN SHOAL
292	38 12 55	75 53 65	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WICOMICO/EVANS
437	38 44 00	76 18 27	EE-2	EASTERN SHORE	CHOPTANK	2060005	HARRIS CREEK/BALD EAGLE
437	38 42 48	76 19 16	EE-2	EASTERN SHORE	CHOPTANK	2060005	HARRIS CREEK/TILGHMAN WHARF
537	38 44 45	76 14 65	EE-2	EASTERN SHORE	CHOPTANK	2060005	BROAD CREEK/DEEP NECK
637	38 43 86	76 08 25	EE-2	EASTERN SHORE	CHOPTANK	2060005	TRED AVON/DOUBLE MILLS

MARYLAND OYSTER SPAT AND CONDITION INDEX STATIONS


Baltimore
Washington D.C.
Chester
Choptank
Patuxent
Potomac
N
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

CHOPTANK RIVER OYSTER HABITAT MONITORING PROGRAM

PROGRAM DESCRIPTION: The Choptank River Oyster and Condition Index Program conducts biological and physicochemical monitoring of four lower Choptank River oyster bars on a weekly basis from June through September, and on a monthly basis from October through May. Oyster mortality levels are determined, a categorization of the relative abundance and percent occurrence of selected fouling organisms is made, and the prevalence of disease is determined through a histological analysis (beginning in 1987).

PROGRAM OBJECTIVE: To determine the temporal and spatial patterns in oyster abundance and condition in the lower Choptank River.

DATE INITIATED: 1986

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Chesapeake Bay Research and Monitoring Division
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCY: Maryland Department of Natural Resources

PARTICIPATING AGENCY: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principal Investigator	Steve Jordan	MDDNR

PARAMETERS:

Water Column:
Secchi Depth
Dissolved Oxygen
pH
Salinity
Oxidation-Reduction Potential

Oysters:
% Live
% Gaper

% Dead - Old Box
% Dead - New Box

# Yearling Oysters

Fouling Organisms:
% Occurrence
Relative Abundance
Viability

STATIONS: There are four oyster bars sampled in the lower Choptank River .

SAMPLE COLLECTION: Collections are made weekly from June to September and monthly from October through May. A Surveyor II (Hydrolab, Inc.) is used in the physicochemical monitoring, with measurements taken at the surface, middle and bottom of the water column at each station.

A sample of 60 oysters, when attainable, is taken at each oyster bar using an oyster scrape towed at 1200 r.p.m. for a duration of 1 1/2 to 10 minutes. The number of scrapes needed to obtain a complete sample usually ranges from 1-5. In addition, the number of oyster spat which had set during the previous spawning season (yearling oysters) are recorded.

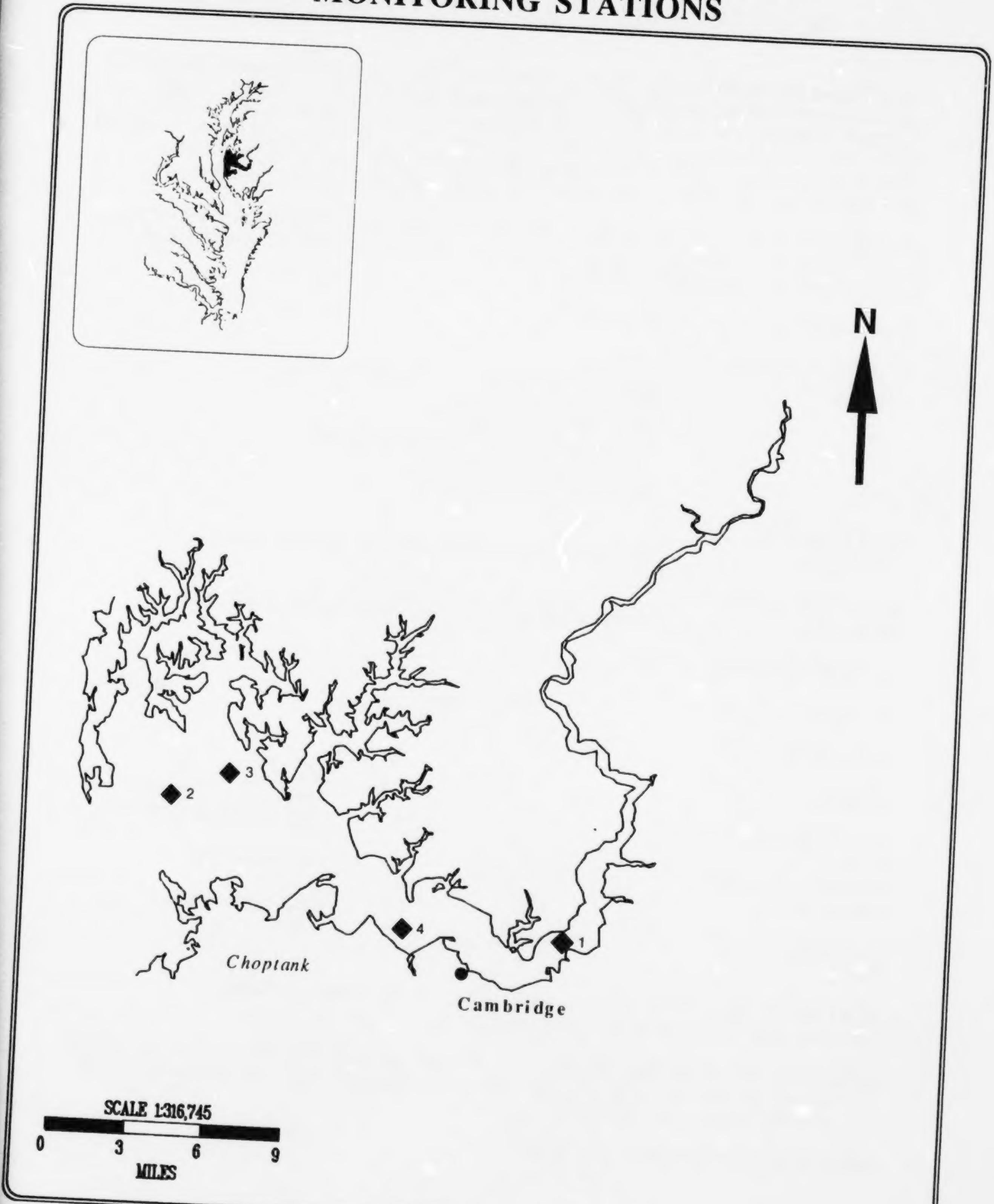
Densities of four selected fouling organisms (recurved mussels, barnacles, tunicates and anemones) are recorded from observations of the first 10 oysters sampled at each bar based on the number of individuals present for a given taxa, and classified as either low (1-5), moderate (6-15), or high (16 or more).

PROGRAM INTEGRATION: This program has been part of a larger research and monitoring effort which included hydrographic studies

CHOPTANK RIVER OYSTER HABITAT MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 35 15	76 00 05	ET-5	EASTERN SHORE	CHOPTANK	2060005	OYSTER SHELL POINT BAR
2	38 40 51	76 16 40	EE-2	EASTERN SHORE	CHOPTANK	2060005	FRANCE BAR
3	38 41 15	76 14 37	EE-2	EASTERN SHORE	CHOPTANK	2060005	ROYSTON BAR
4	38 35 48	76 06 57	ET-5	EASTERN SHORE	CHOPTANK	2060005	SANDY HILL BAR

CHOPTANK RIVER OYSTER HABITAT MONITORING STATIONS


N
3
2
4
1
Choptank
Cambridge
SCALE 1:316,745
0
3
6
9
MILES

MARYLAND BLUE CRAB MONITORING PROGRAM

PROGRAM DESCRIPTION: The Maryland Blue Crab Monitoring Program is designed to estimate recruitment of juvenile blue crabs through a network of 63 stations in the Chester, Choptank, Patuxent, and Potomac rivers, Pocomoke and Tangiers Sound, and Eastern Bay. Monitoring is conducted monthly from May to October. This program was previously conducted concomitantly with Maryland weakfish monitoring. Although the latter program has been discontinued, juvenile weakfish and other finfish species are picked up on this survey.

PROGRAM OBJECTIVES: To determine relative abundance and distribution of adult and juvenile crabs, and to determine any relationship between the annual index of abundance of juvenile crabs and future adult stock size.

DATE INITIATED: May 1975

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Tidal Fisheries Division
Estuarine and Marine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCY: National Oceanic and Atmospheric Administration

PARTICIPATING AGENCY: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principal Investigator	James Casey	MDDNR

PARAMETERS:

Location

Water Column:
Depth
Surface Temperature
Surface Salinity

Blue Crabs:
Size
Sex
Age
Catch per Unit Effort

Finfish Species:
Number
Catch per unit effort
Size

STATIONS: There are 63 stations located in the Chester, Choptank, Patuxent, Potomac rivers, Pocomoke and Tangier sounds, and Eastern Bay.

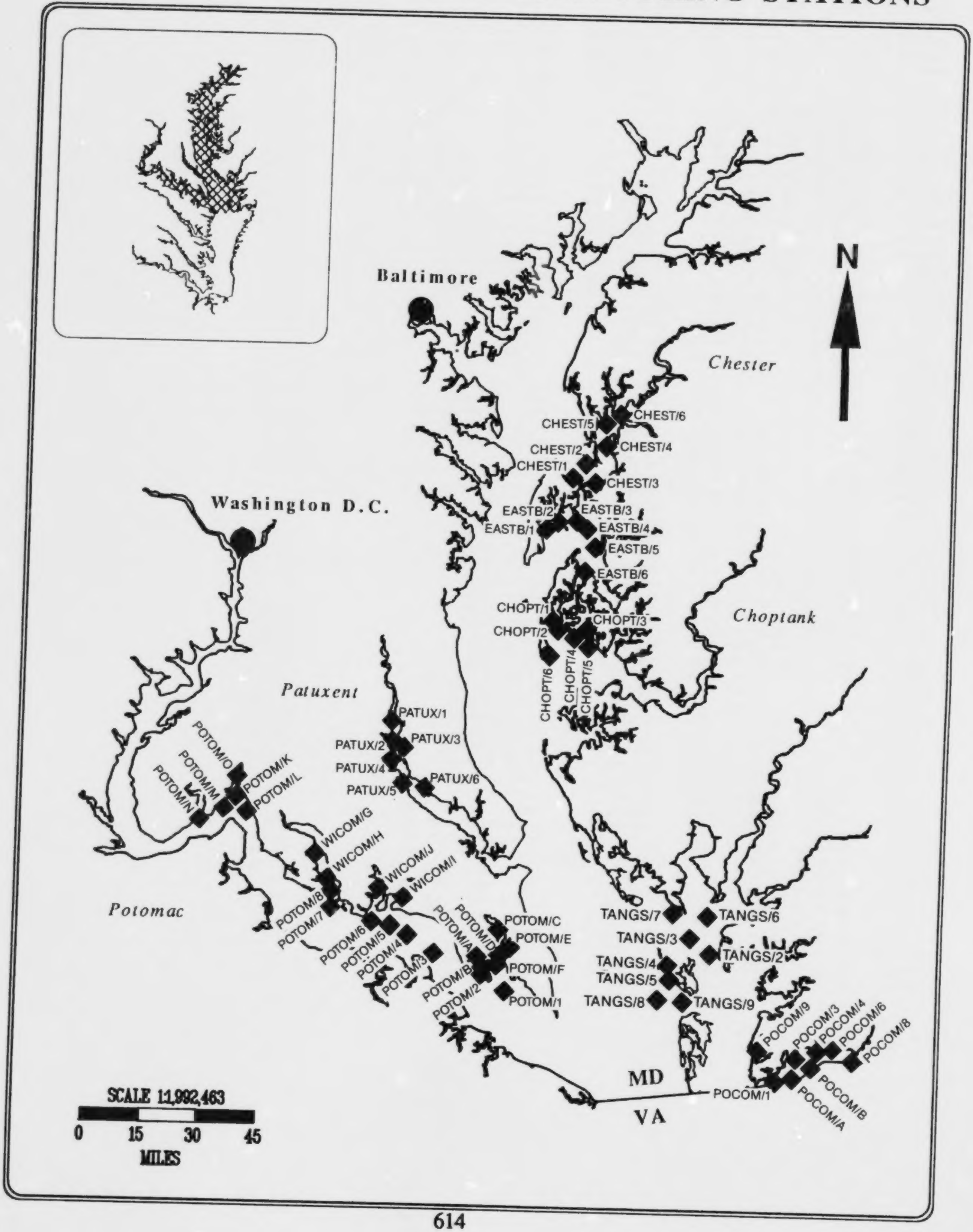
SAMPLE COLLECTION: Monitoring is conducted monthly from May to October. Sixteen foot headrope bottom trawls are dragged at four knots for six minutes. All species are recorded, and crabs and weakfish are measured.

PROGRAM INTEGRATION: N/A

MARYLAND BLUE CRAB MONITORING STATIONS

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CHEST/1	38 59 25	76 16 18	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHEST/2	39 00 17	76 12 36	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHEST/3	38 58 45	76 12 36	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHEST/4	39 02 44	76 11 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHEST/5	39 04 50	76 11 23	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHEST/6	39 05 52	76 09 11	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
CHOPT/1	38 44 22	76 19 26	EE-2	EASTERN SHORE	CHOPTANK	2060005	
CHOPT/2	38 44 02	76 18 21	EE-2	EASTERN SHORE	CHOPTANK	2060005	
CHOPT/3	38 43 26	76 14 47	EE-2	EASTERN SHORE	CHOPTANK	2060005	
CHOPT/4	38 42 38	76 16 17	EE-2	EASTERN SHORE	CHOPTANK	2060005	
CHOPT/5	38 41 33	76 14 05	EE-2	EASTERN SHORE	CHOPTANK	2060005	
CHOPT/6	38 41 10	76 19 13	EE-2	EASTERN SHORE	CHOPTANK	2060005	
EASTB/1	38 54 22	76 19 24	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
EASTB/2	38 54 32	76 17 38	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
EASTB/3	38 54 37	76 15 26	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
EASTB/4	38 54 06	76 14 23	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
EASTB/5	38 52 00	76 13 18	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
EASTB/6	38 49 31	76 14 18	EE-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
PATUX/1	38 33 55	76 40 36	TF-1	WEST CHESAPEAKE	SEVERN	2060006	
PATUX/2	38 32 22	76 40 51	RET-1	PATUXENT	PATUXENT	2060006	
PATUX/3	38 31 53	76 39 18	BFL	PATUXENT	PATUXENT	2060006	
PATUX/4	38 30 15	76 40 42	RET-1	PATUXENT	PATUXENT	2060006	
PATUX/5	38 28 03	76 39 30	LE-1	PATUXENT	PATUXENT	2060006	
PATUX/6	38 26 44	76 36 33	BFL	PATUXENT	PATUXENT	2060006	
POCOM/1	37 54 51	75 51 29	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POCOM/3	37 56 58	75 47 44	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POCOM/4	37 57 42	75 44 44	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POCOM/6	37 57 53	75 43 15	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POCOM/8	37 57 12	75 39 50	ET-10	EASTERN SHORE	POCOMOKE	2060009	
POCOM/9	37 58 35	75 52 34	BFL	EASTERN SHORE	POCOMOKE	2060009	
POCOM/A	37 54 58	75 47 55	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POCOM/B	37 56 28	75 45 41	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
POTOM/1	38 05 20	76 26 32	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/2	38 07 17	76 29 55	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/3	38 09 26	76 35 56	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/4	38 11 13	76 39 49	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/5	38 12 46	76 42 04	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/6	38 13 12	76 44 28	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/7	38 14 36	76 49 23	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/8	38 16 02	76 49 32	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/A	38 08 53	76 30 00	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/B	38 07 56	76 29 05	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/C	38 11 53	76 27 01	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/D	38 09 11	76 26 52	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/E	38 09 56	76 25 33	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/F	38 08 12	76 27 27	LE-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/K	38 26 40	77 01 53	RET-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/L	38 25 14	77 00 38	RET-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/M	38 25 50	77 03 19	RET-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/N	38 24 38	77 06 59	RET-2	POTOMAC	LOWER POTOMAC	2070011	
POTOM/O	38 28 43	77 02 14	RET-2	POTOMAC	LOWER POTOMAC	2070011	
TANGS/2	38 08 49	75 58 15	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/3	38 09 45	76 01 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/4	38 08 03	76 04 29	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/5	38 06 16	76 03 12	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/6	38 12 12	75 58 37	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/7	38 13 05	76 03 45	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/8	38 03 55	76 05 43	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
TANGS/9	38 03 58	76 02 03	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
WICOM/G	38 20 31	76 51 22	LE-2	POTOMAC	LOWER POTOMAC	2070011	
WICOM/H	38 17 51	76 50 10	LE-2	POTOMAC	LOWER POTOMAC	2070011	
WICOM/I	38 15 18	76 40 00	LE-2	POTOMAC	LOWER POTOMAC	2070011	
WICOM/J	38 16 02	76 42 42	LE-2	POTOMAC	LOWER POTOMAC	2070011	

MARYLAND BLUE CRAB MONITORING STATIONS


N
Baltimore
Chester
CHEST/5
CHEST/6
CHEST/2
CHEST/4
CHEST/1
CHEST/3
Washington D.C.
EASTB/2
EASTB/3
EASTB/1
EASTB/4
EASTB/5
EASTB/6
CHOPT/1
CHOPT/3
CHOPT/2
Choptank
CHOPT/6
CHOPT/4
CHOPT/5
Patuxent
PATUX/1
PATUX/2
PATUX/3
PATUX/4
PATUX/5
PATUX/6
POTOM/O
POTOM/M
POTOM/N
POTOM/K
POTOM/L
WICOM/G
WICOM/H
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WICOM/I
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POTOM/B
POTOM/2
POTOM/C
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POTOM/F
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TANGS/2
TANGS/4
TANGS/5
TANGS/8
TANGS/9
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POCOM/3
POCOM/4
POCOM/6
POCOM/8
POCOM/1
POCOM/A
POCOM/B
MD
VA
SCALE 11,992,463
0
15
30
45
MILES

VIRGINIA OYSTER SPAT SURVEY

PROGRAM DESCRIPTION: The Virginia Oyster Spat Survey involves monitoring of oyster spatfall on shellstring in the summer and early fall of each year.

PROGRAM OBJECTIVES: To monitor oyster spatfall (recruitment) success.

DATE INITIATED:	1946
COORDINATING AGENCY:	College of William and Mary Virginia Institute of Marine Sciences Division of Fisheries and Biological Sciences Gloucester Point, Virginia 23062
FUNDING AGENCY:	Commonwealth of Virginia
PARTICIPATING AGENCIES:	Virginia Institute of Marine Sciences (VIMS) Virginia Marine Resources Commission (VMRC)

INVESTIGATORS:

Principal Investigator	Roger Mann	VIMS

PARAMETERS:

Count of spat on each shell

STATIONS: There are currently 43 stations located in Virginia waters including the James, York, Rappahannock, Great Wicomico, and Potomac rivers, along with Mobjack Bay, and Pocomoke Sound.

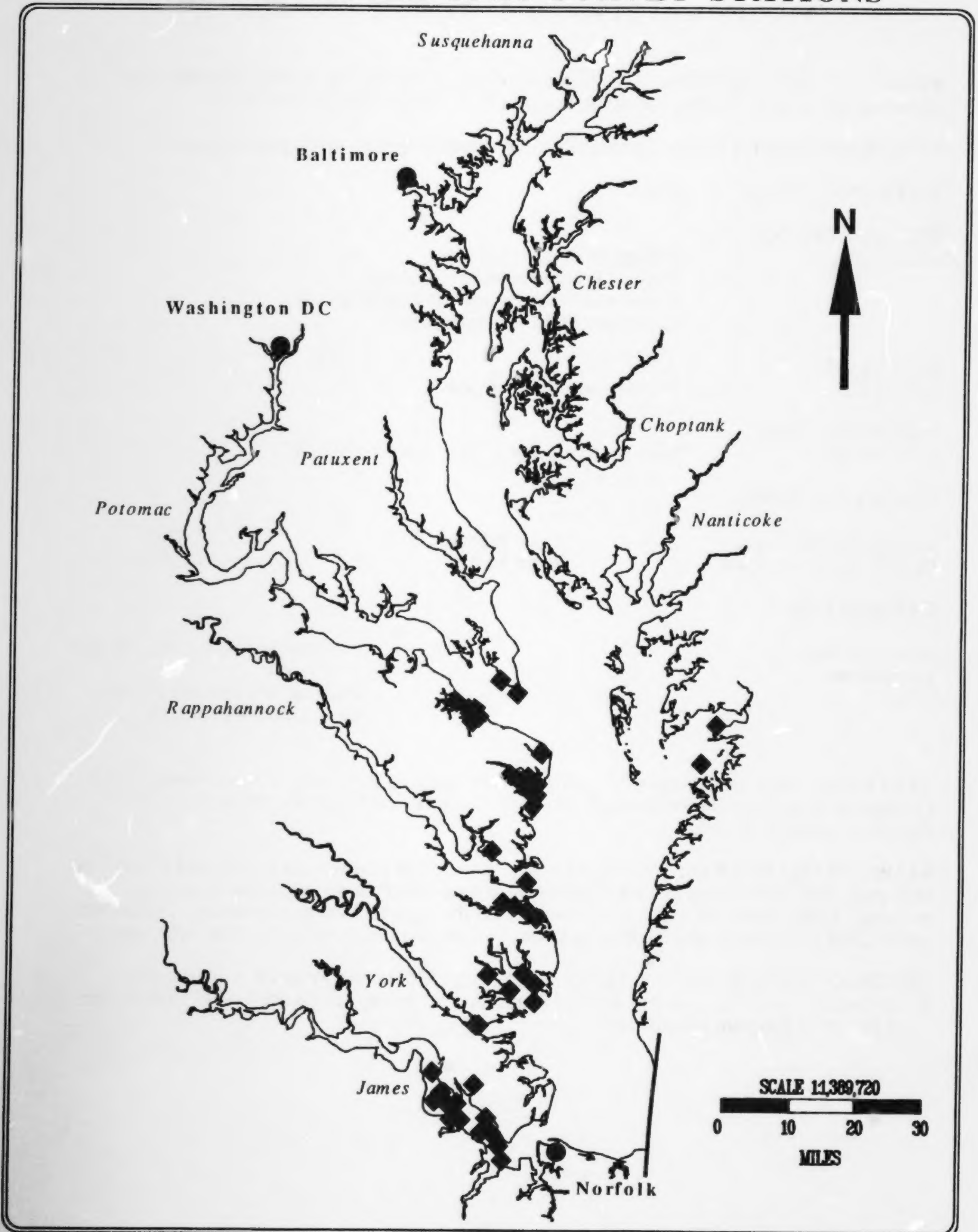
SAMPLE COLLECTION: Each of the 43 stations consists of a shellstring, or a series of 12 oyster shells strung on a wire suspended 20 inches above the bottom. Collections and replacements are made weekly in May and October of each year. Ten of these shells are removed and examined under 10-15x magnification (top and bottom shell are discarded) with the smooth side only being examined. The number of spat are recorded.

PROGRAM INTEGRATION: This program is conducted simultaneously with the Virginia Spring/Fall Oyster Bar Survey.

VIRGINIA OYSTER SPAT SURVEY STATIONS

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
017	37 18 00	76 19 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	BROWNS BAY
020	37 31 00	76 19 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BURTON POINT
030	37 59 24	76 27 48	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
035	38 02 24	76 19 24	BFL	POTOMAC	LOWER POTOMAC	2070011	CORNFIELD
037	37 49 00	76 18 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	CRANES CREEK
040	37 01 30	76 34 00	LE-5	JAMES	LOWER JAMES	2080206	DAY'S POINT
043	37 09 00	76 38 00	LE-5	JAMES	LOWER JAMES	2080206	DEEPWATER SHOALS
048	37 48 30	76 17 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLEET POINT
050	37 32 00	76 24 00	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	GINNEY POINT
051	37 51 00	76 22 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	GLEBE POINT
053	38 00 00	76 26 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	GREAT NECK
064	37 50 00	76 18 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HAYNIE POINT
066	38 00 48	76 27 54	LE-2	POTOMAC	LOWER POTOMAC	2070011	HOG ISLAND
073	37 06 30	76 31 00	BFL	JAMES	LOWER JAMES	2080206	HORSEHEAD
074	37 50 00	76 19 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HUNDALLS
080	38 04 18	76 22 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	JONES SHORE
087	37 47 30	76 17 00	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	DAMERON MARSH EAST
089	37 01 30	76 29 00	LE-5	JAMES	LOWER JAMES	2080206	MILES WATCH HOUSE
096	37 05 30	76 37 00	LE-5	JAMES	LOWER JAMES	2080206	MULBERRY POINT
098	36 59 30	76 29 00	LE-5	JAMES	LOWER JAMES	2080206	NANSEWAY SHOALS
106	37 15 00	76 30 00	BFL	YORK	YORK	2080107	VIMS OYSTER PIER (OLD PIER)
110	37 31 30	76 22 00	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PALACE BAR
113	37 20 30	76 19 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	PEPPER CREEK
123	37 04 30	76 38 30	LE-5	JAMES	LOWER JAMES	2080206	POINT OF SHOALS
131	36 55 30	76 27 00	LE-5	JAMES	LOWER JAMES	2080206	NANSEMOND RIDGE
149	38 01 48	76 30 30	LE-2	POTOMAC	LOWER POTOMAC	2070011	THICKET POINT
150	37 30 00	76 18 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	THREE BRANCHES
151	37 20 00	76 23 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	TOW STAKE
155	37 15 00	76 30 00	BFL	YORK	YORK	2080107	VIMS FERRY PIER
171	37 22 00	76 27 30	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	WILSON CREEK
174	37 04 00	76 34 30	LE-5	JAMES	LOWER JAMES	2080206	WRECK SHOALS (INS)
175	37 03 30	76 34 30	LE-5	JAMES	LOWER JAMES	2080206	WRECK SHOALS (OFFS)
193	36 57 30	76 27 30	LE-5	JAMES	LOWER JAMES	2080206	CRUISER SHOALS
194	36 59 30	76 30 00	LE-5	JAMES	LOWER JAMES	2080206	DOG SHOAL
195	37 03 30	76 36 00	LE-5	JAMES	LOWER JAMES	2080206	DRY SHOALS
199	37 02 00	76 35 30	LE-5	JAMES	LOWER JAMES	2080206	ROCK WHARF SHOALS
200	37 35 06	76 19 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	STURGEON
204	37 21 30	76 21 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOUTH OF EAST RIVER (PULTZ BAR)
207	37 53 24	76 15 30	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ELLYSON CREEK
208	37 39 54	76 25 36	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOCKLIES
217	37 46 48	76 17 36	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WINDMILL
218	37 56 18	75 43 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND - BUTLERS POINT
219	37 50 48	75 46 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POCOMOKE SOUND - BERNARDS POINT

VIRGINIA OYSTER SPAT SURVEY STATIONS


Susquehanna
Baltimore
N
Chester
Washington DC
Choptank
Patuxent
Potomac
Nanticoke
Rappahannock
York
James
SCALE 1:1,369,720
0
10
20
30
MILES
Norfolk

VIRGINIA SPRING/FALL OYSTER BAR SURVEY

PROGRAM DESCRIPTION: The Virginia Spring/Fall Oyster Bar Survey conducts semi-annual counts of spat, yearling and market oysters on Virginia's public oyster rocks.

PROGRAM OBJECTIVES: To measure the survival of oysters in Virginia waters.

DATE INITIATED: 1960

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Fisheries and Biological Sciences
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Co-principal Investigator	Bruce Barber	VIMS
Co-principal Investigator	Roger Mann	VIMS

PARAMETERS:

Water Column:
Temperature
Salinity

Count of Spat, Small and Market Oysters
Estimate of Condition of Bar
Description of Predators

STATIONS: There are currently 26 stations at various oyster bars in the Virginia waters of the Chesapeake Bay including the James, York, Rappahannock, and Great Wicomico rivers, Mobjack Bay and Pocomoke Sound.

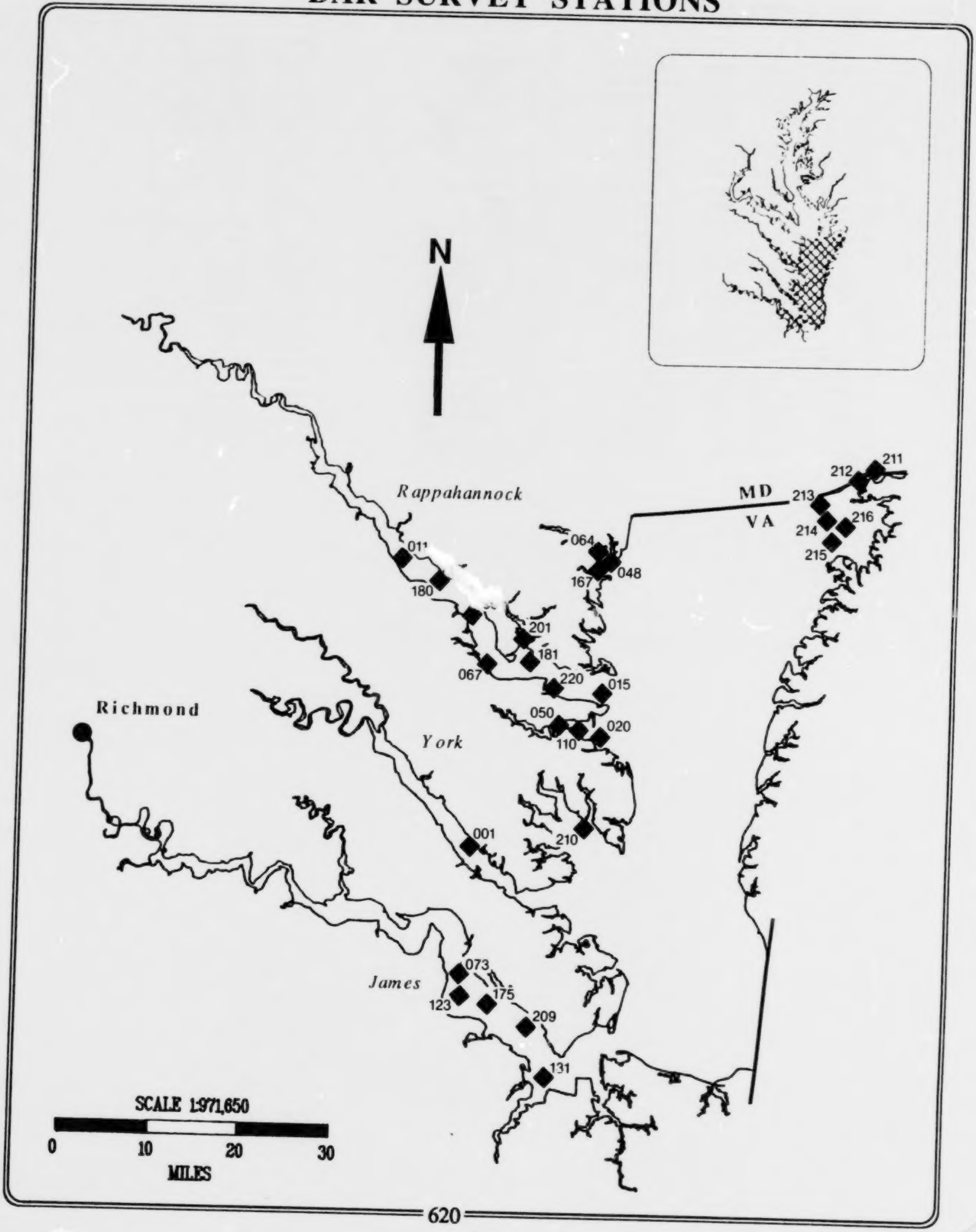
SAMPLE COLLECTION: Twenty-six oyster bars are sampled weekly in May and October of each year. One hour dredge hauls are performed at each station, based on measurements of variance. Temperature and salinity is measured near the bottom of the water column. Oysters are counted and the bars evaluated, and descriptions of consumer and commercial value are made.

PROGRAM INTEGRATION: The Virginia Spatfall Monitoring Program is conducted simultaneously with this program. Spatfall results and bar survey results are used in advising the Shell Repletion Program and planters.

VIRGINIA SPRING/FALL OYSTER BAR SURVEY STATIONS

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
001	37 20 00	76 36 06	LE-4	YORK	YORK	2080107	ABERDEEN RK
011	37 49 30	76 44 00	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BOWLER'S RK
015	37 34 42	76 18 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BROAD CREEK
020	37 30 54	76 19 42	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BURTON'S POINT
048	37 48 36	76 17 18	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLEET POINT
050	37 32 00	76 24 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	GINNEY POINT
064	37 49 48	76 18 42	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HAYNIE POINT
067	37 38 24	76 33 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	HOG HOUSE
073	37 06 18	76 37 54	LE-5	JAMES	LOWER JAMES	2080206	HORSEHEAD
110	37 31 36	76 22 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PALACE BAR
123	37 04 30	76 38 42	LE-5	JAMES	LOWER JAMES	2080206	POINT OF SHOALS
131	36 55 30	76 27 12	LE-5	JAMES	LOWER JAMES	2080206	
167	37 48 18	76 17 48	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	WHALEY'S EAST
175	37 03 12	76 34 36	LE-5	JAMES	LOWER JAMES	2080206	WRECK (OFF)
180	37 46 54	76 39 18	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MORATTICO
181	37 38 42	76 27 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DRUMMING GD
190	37 43 12	76 35 00	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	SMOKEY POINT DEEP
201	37 41 00	76 28 24	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	CORROTOMAN RIVER - MIDDLE GD C
209	37 01 30	76 29 30	LE-5	JAMES	LOWER JAMES	2080206	THOMAS RK
210	37 21 06	76 21 06	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	MOUTH OF EAST RIVER (PULTZ BAR)
211	37 57 06	75 42 36	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	PG 9
212	37 56 24	75 44 54	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	PG 10
213	37 53 18	75 49 30	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	MARSHALL RK
214	37 51 36	75 48 42	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BIRD RK
215	37 50 06	75 48 36	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ROBIN HOOD
216	37 50 48	75 46 48	EE-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	ISLAND RK
220	37 35 54	76 25 30	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	PARROT IN

VIRGINIA SPRING/FALL OYSTER BAR SURVEY STATIONS


N
Rappahannock
MD
VA
211
212
213
216
214
215
064
048
167
011
180
201
181
067
220
015
050
110
020
Richmond
York
001
210
073
James
175
123
209
131
SCALE 1:971,650
0
10
20
30
MILES

VIRGINIA OYSTER DISEASE SURVEY

PROGRAM DESCRIPTION: The Virginia Oyster Disease Survey is set up to monitor disease in Virginia's oysters through summer and fall sampling of Virginia's public oyster bars.

PROGRAM OBJECTIVES: To monitor the occurrence and distribution of Dermo and MSX.

DATE INITIATED: 1960

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Fisheries and Biological Sciences
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	Eugene Burresson	VIMS

PARAMETERS:

Percent occurrence of Dermo and MSX in oyster tissue.

STATIONS: Various public oyster reefs located throughout the Virginia tributaries of the Chesapeake Bay are monitored. Although some locations may vary, 10 selected stations are sampled each year. Two of these are located in the James River, one in the York River, three in the Rappahannock River, two in the Great Wicomico River and two in the Virginia embayments of the Potomac River.

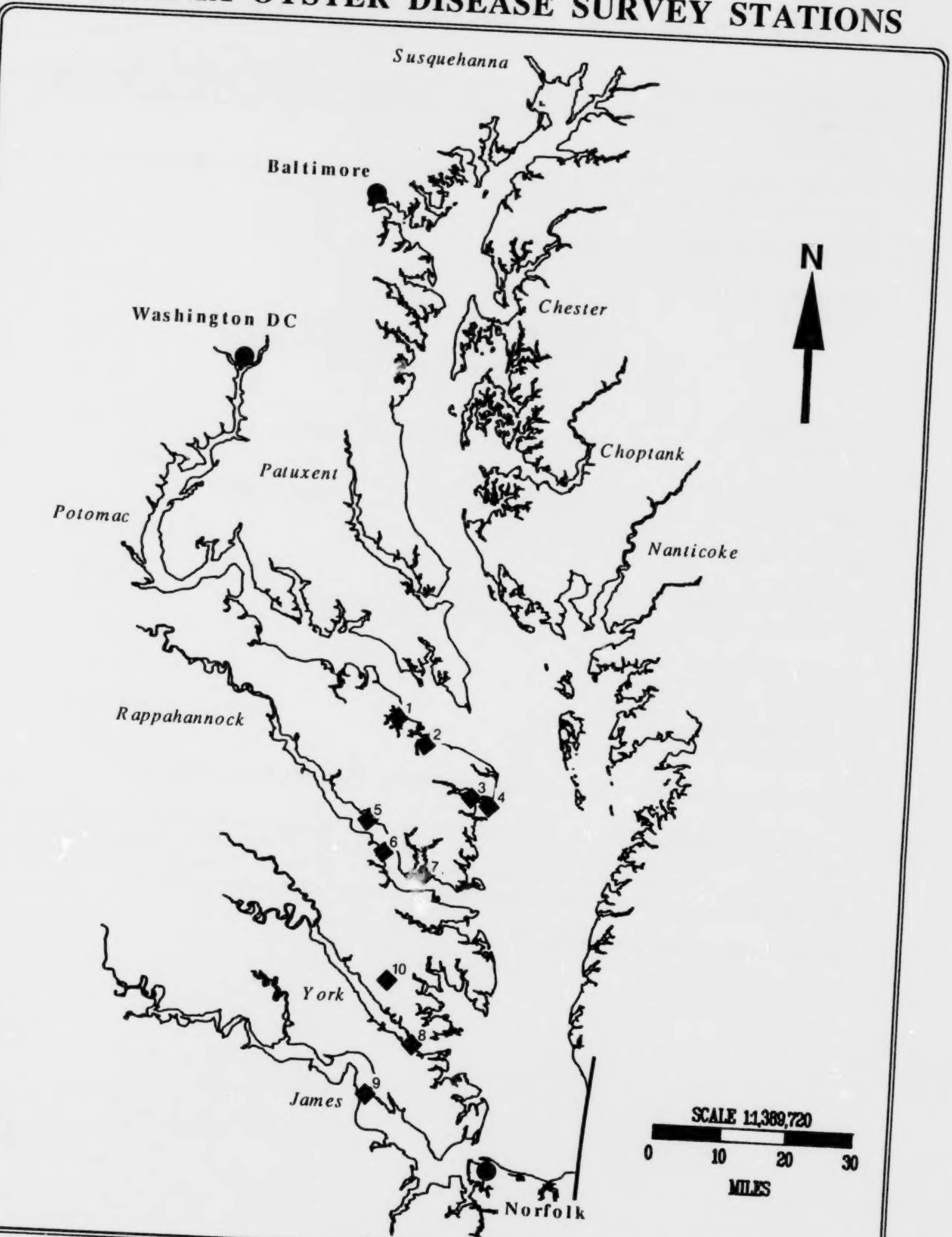
SAMPLE COLLECTION: Samples of 25 oysters are collected via dredging three times a year on June 1, August 1, and October 1. Wreck Shoal in the James River is the exception and is sampled monthly. The oysters are then returned to the laboratory and analyzed for MSX (Haplosporidium nelsoni) and Dermo (Perkinsus marinus).

PROGRAM INTEGRATION: This program is performed in conjunction with Virginia Marine Resources Commission, Maryland Department of the Environment and Rutgers University.

VIRGINIA OYSTER DISEASE SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 01 25	76 32 27	LE-2	POTOMAC	LOWER POTOMAC	2070011	YEOCOMICO RIVER
10	37 23 48	76 34 11	BFL	YORK	YORK	2080107	WRECK SHOAL
2	37 58 28	76 27 37	LE-2	POTOMAC	LOWER POTOMAC	2070011	COAN RIVER
3	37 49 43	76 18 53	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	HAYNIES BAR - GREAT WICOMICO RI
4	37 48 33	76 16 18	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	FLEET POINT
5	37 46 56	76 38 31	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	MARATTICO BAR
6	37 43 02	76 35 33	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	SMOKEY POINT
7	37 38 57	76 28 06	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	DRUMMING GROUND
8	37 15 10	76 30 48	LE-4	YORK	YORK	2080107	VIRGINIA INSTITUTE OF MARINE SC
9	37 06 55	76 38 18	LE-5	JAMES	LOWER JAMES	2080206	HORSE HEAD

VIRGINIA OYSTER DISEASE SURVEY STATIONS


Susquehanna
Baltimore
N
Chester
Washington DC
Choptank
Patuxent
Potomac
Nanticoke
Rappahannock
1
2
3
4
5
6
7
10
York
8
9
James
SCALE 1:1,389,720
0
10
20
30
MILES
Norfolk

VIRGINIA BLUE CRAB MEGALOPAE MONITORING PROGRAM

PROGRAM DESCRIPTION: The Blue Crab Megalopae Monitoring Program is conducted at one station (with six passive traps) at Gloucester Point, Virginia from August through November of each year.

PROGRAM OBJECTIVE: To determine blue crab post-larval settlement and attempt to relate settlement with juvenile and adult abundance.

DATE INITIATED: August 1985

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Fisheries and Biological Sciences
Gloucester Point, Virginia 23062

FUNDING AGENCY: Virginia Institute of Marine Science

PARTICIPATING AGENCY: Virginia Institute of Marine Science (VIMS)

INVESTIGATORS:

Principal Investigator	Robert Orth	VIMS
Principal Investigator	Jacques van Montfrans	VIMS

PARAMETERS:

Water Column::	
Surface Temperature	
Surface Salinity	Megalopae Abundance

STATIONS: There is one station located at VIMS in Gloucester Point, Virginia .

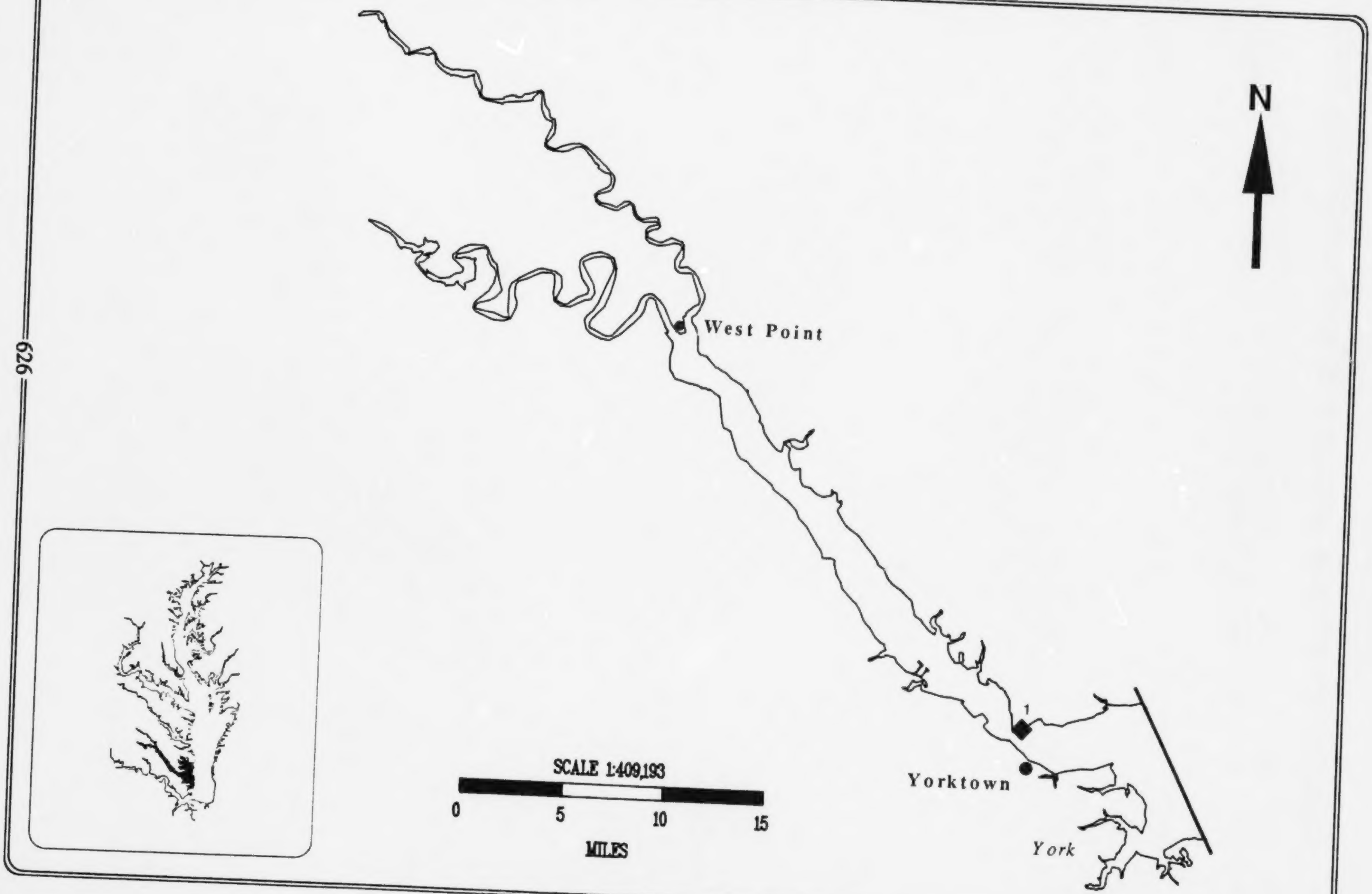
SAMPLE COLLECTION: Six traps made of hogs hair (air conditioning filter material) are deployed in surface waters off the VIMS pier. These traps are changed every 24 hours from August 1 through December 1. Traps are collected with a dip net and rinsed in fresh water to dislodge megalopae. All megalopae are then identified to species and enumerated.

PROGRAM INTEGRATION: N/A

VIRGINIA BLUE CRAB MEGALOPAE MONITORING STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	37 15 00	76 30 00	BFL	YORK	YORK	2080107	VIMS PIER AT GLOUCESTER POINT,

VIRGINIA BLUE CRAB MEGALOPAE MONITORING STATIONS


N
West Point
1
Yorktown
York
SCALE 1:409,193
0
5
10
15
MILES

VIRGINIA JUVENILE BLUE CRAB SURVEY

PROGRAM DESCRIPTION: The Virginia Juvenile Blue Crab Survey assesses stocks of juvenile blue crabs according to abundance and size, by trawling 13 stations at five-mile intervals in the James, York and Rappahannock rivers. This monitoring is conducted on a monthly basis from May to November.

PROGRAM OBJECTIVES: To monitor year class production of blue crabs in the lower Chesapeake Bay area.

DATE INITIATED: 1954

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Biological and Fisheries Science
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	Rom Lipcius	VIMS

PARAMETERS:

Water Column:	*Blue Crab:*
Temperature	Count
Dissolved Oxygen	Size, sorted by sex and age
Salinity	
Secchi Depth	

STATIONS: There are 13 survey stations; four trawl sites located on the James and York rivers and five on the Rappahannock, starting at mile 5 and continuing upriver at five-mile intervals.

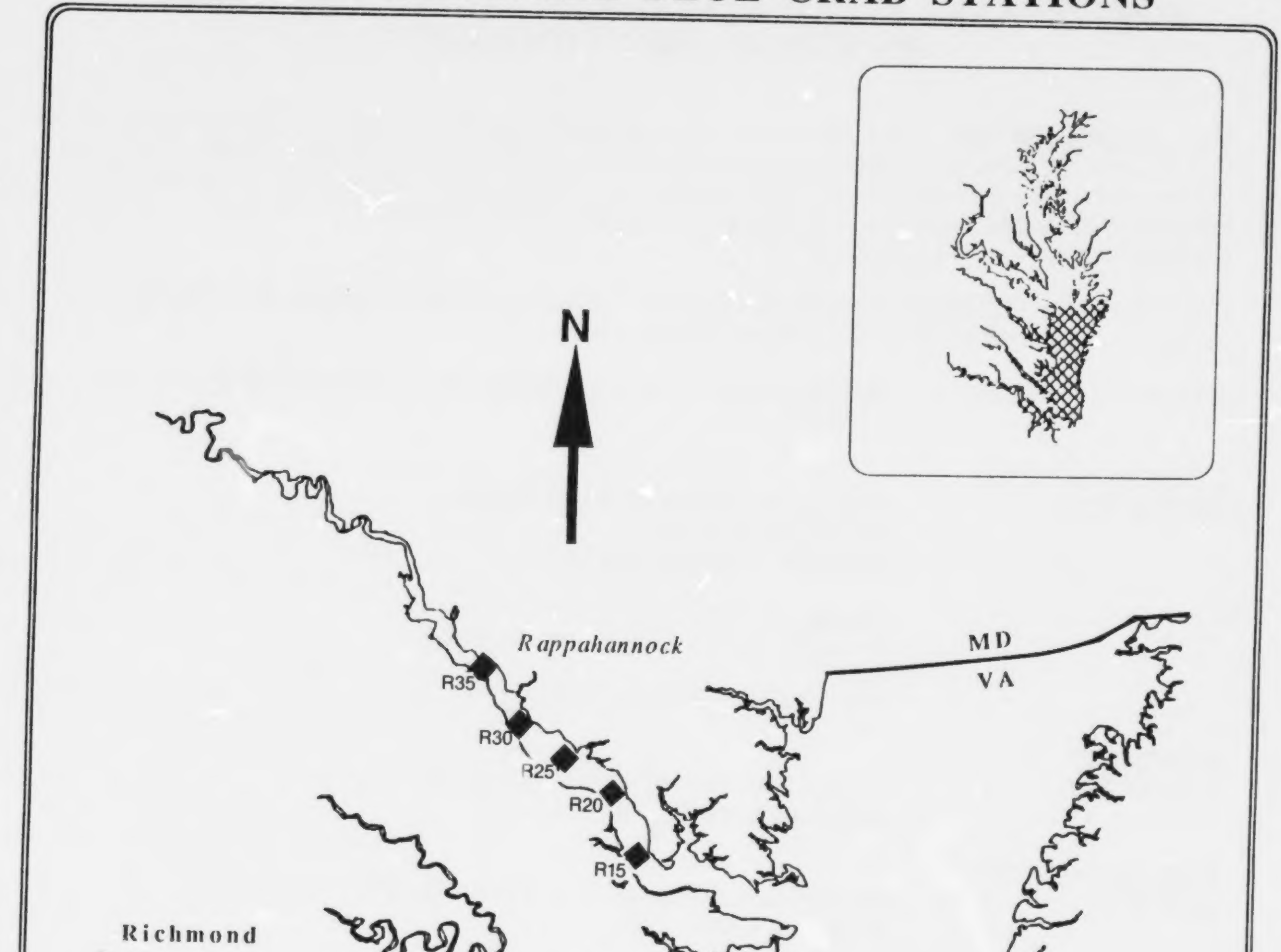
SAMPLE COLLECTION: Samples are collected monthly from May through November with a semi-balloon bottom trawl, 9.1 meters wide with a 38mm stretch mesh net and 13 mm cod-end liner and tickler chain. The net is towed twice, once with the current and once against at each station for five minutes, at approximately 2.5 knots. Temperature, dissolved oxygen and salinity measurements are made at both the surface and the bottom of the water column at the start of each station with a Y.S.I. model 51B D.O. meter.

PROGRAM INTEGRATION: This monitoring effort is performed concomitantly with Virginia's juvenile finfish survey.

VIRGINIA JUVENILE BLUE CRAB STATIONS

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
J13	37 01 24	76 18 24	LE-5	JAMES	LOWER JAMES	2080206	JAMES RIVER BRIDGE, 18 FT
J17	37 04 54	76 36 30	LE-5	JAMES	LOWER JAMES	2080206	ROCK LANDING SHOAL, AT 18 FT
J24	37 09 06	76 38 30	LE-5	JAMES	LOWER JAMES	2080206	DEEP WATER SHOALS, IDLE FLEET,
J27	37 12 24	76 39 36	LE-5	JAMES	LOWER JAMES	2080206	KINGSMILL, AT 28 FT
R12	37 44 30	76 35 12	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	SMOKEY POINT, WATER VIEW, AT 18
R15	37 40 12	76 33 00	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ROGUE POINT, URBANNA, AT 18 FT
R18	37 51 12	76 45 18	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BOWLER'S ROCK LIGHT, AT 12 FT
R25	37 47 18	76 47 18	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	TARPLY POINT, MCKAN'S BAY, AT 1
R35	37 54 36	76 48 24	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	LOWERY POINT, AT 12 FT
Y06	37 18 54	76 35 30	LE-4	YORK	YORK	2080107	PAGE'S ROCK LIGHT, AT 25 FT
Y12	37 25 42	76 42 12	RET-4	YORK	YORK	2080107	POROPOTANK RIVER, AT 12 FT
Y15	37 23 12	76 39 24	LE-4	YORK	YORK	2080107	ALMONDSVILLE, AT 25 FT
Y25	37 28 48	76 44 54	RET-4	YORK	YORK	2080107	BELL'S ROCK LIGHT, AT 25 FT

VIRGINIA JUVENILE BLUE CRAB STATIONS


N
Rappahannock
R35
R30
R25
R20
R15
MD
VA
Richmond
York
Y25
Y20
Y15
Y10
J27
James
J24
J17
J13
SCALE 1:971,650
0
10
20
30
MILES

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING PROGRAM - FISH COMPONENT

PROGRAM DESCRIPTION: The Susquehanna Steam Electric Station Monitoring Program - Fish Component is one part of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station (Susquehanna SES). Through this program sampling is conducted three times per year in June, August, and October at eight sites; four electrofishing sites and four seining sites.

PROGRAM OBJECTIVE: To evaluate the environmental impact of the Susquehanna SES by comparing preoperational (pre-1983) and operational fish data.

DATE INITIATED: 1976 (in present format although fish studies have been conducted since 1971)

COORDINATING AGENCIES:

Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Ecology III, Inc.
Susquehanna SES Biological Laboratory
R.D. 1
Berwick, Pennsylvania 18603

FUNDING AGENCIES:

Pennsylvania Power and Light Company
Allegheny Electric Cooperative, Inc.

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Ecology III, Inc. (EIII)

INVESTIGATORS:

Program Director	Jerome S. Fields	PP&L
Principal Investigator	Brian P. Mangan	EIII

PARAMETERS:

Abundance
Taxa Identification
Length/Weight

STATIONS: There are eight fish monitoring stations in the vicinity of the Susquehanna SES: four electrofishing stations and four seining stations.

The two electrofishing sites upriver from the intake are EL1 on the east bank, 130 m upriver from the gas-line crossing to 330 m upriver from a point opposite the center of the Susquehanna SES intake structure, and EL2 on the west bank, from the gas-line crossing to a point 250 m upriver from the center of the Susquehanna SES intake structure. The other two sites are EL3 located on the east bank, 390 m downriver from a point opposite the Susquehanna SES intake structure to a point 500 m upriver from the mouth of Wapwallopen Creek, and EL4 located on the west bank, 390 m downriver form the Susquehanna SES intake structure, to a point near the southeastern boundary of PP&L's Wetlands Nature Area. Electrofishing is usually conducted within 50 m of the river bank unless low water conditions make it impossible to do so.

The two seining sites upriver from the intake are SN1 on the east bank, 560 m upriver from a point opposite the center of the Susquehanna SES intake and SN2 on the west bank, 400 m upriver from the center of the Susquehanna SES intake. The downriver sites are SN3 located on the east bank, 2.6 km downriver form a point opposite the Susquehanna SES intake structure at the launching ramp of the Berwick Boat Club, and SN4 located on the west bank, 1.3 km downriver from the Susquehanna SES intake near the southeastern boundary of PP&L's Wetland Nature Area.

SAMPLE COLLECTION: Electrofishing is conducted at four 1000 m sites in June, August and October of each year when river levels do not exceed 150.3 m above mean sea level. At levels greater than this, electrofishing is ineffective due to increased turbidity and current velocity. Sampling is conducted approximately one hour after sunset and sequences of sites sampled are randomly determined. The electrofisher consists of a 4-KV (D.C.) generator and a variable voltage pulsator mounted in a 6 m flat-bottomed boat powered by an outboard motor. Long-handled nets are used by two observers in the bow and by the boat operator to collect fish for closer examination. Identifications and counts are recorded on a cassette recorder or in a field notebook and the first 20 fish of select species are weighed and measured. Scale samples are also collected from the fish. These data are retained for future age and growth studies of selected species. Cochran's Q-statistic is used to determine any significant differences in the total number of species observed between the sites.

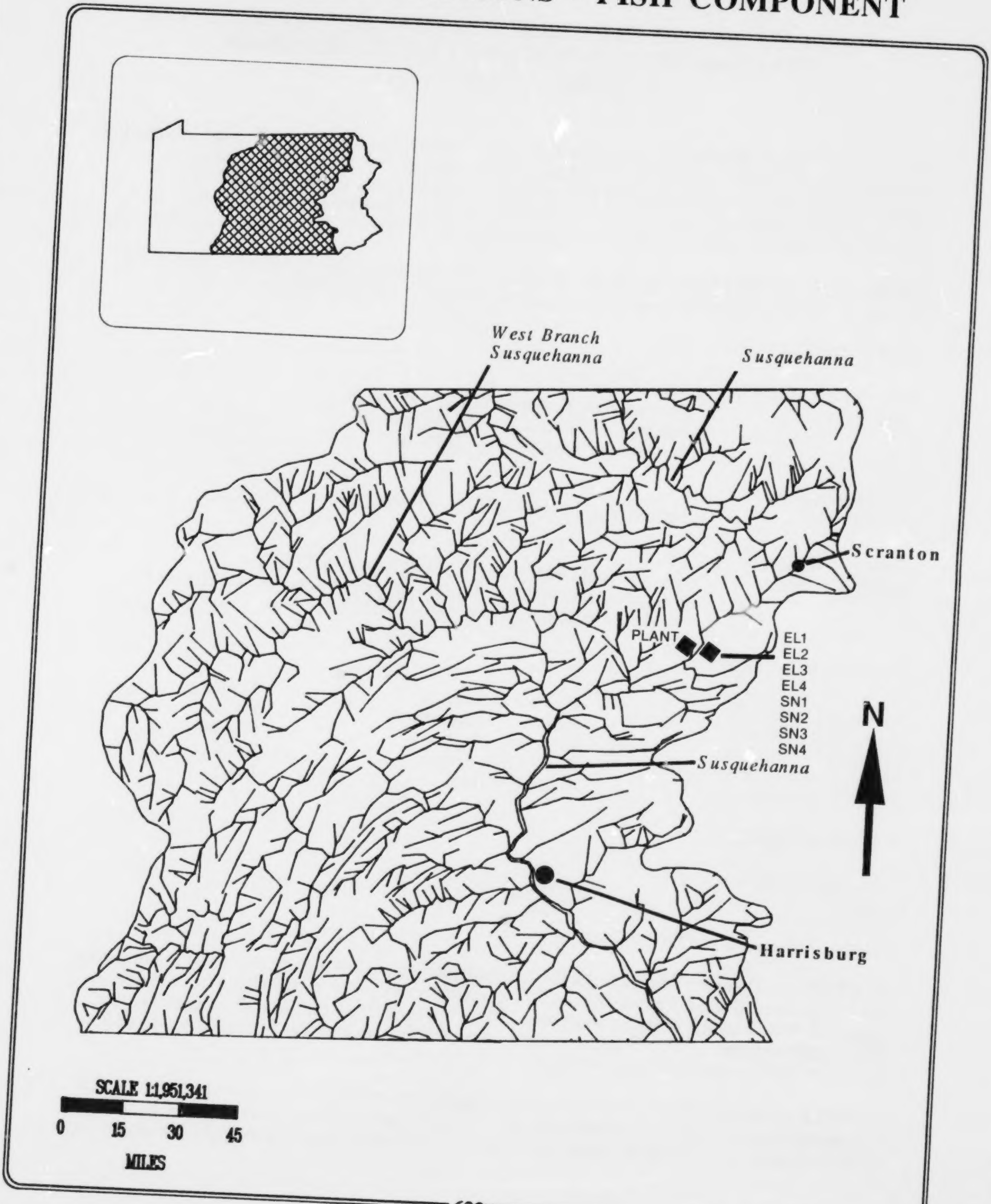
Seining is conducted at four sites during the months of June, August and October when river levels do not exceed 149.4 m above mean sea level. Sampling is conducted approximately one hour after sunset and sequences of sites sampled are randomly determined. Fish are collected with a 7.6 m bag seine (6 mm mesh) with one seine brail kept stationary on the river bank as the seine is taken into the river to a distance of about 6 m, if not limited by depth, and then pulled upriver and into shore. Two replicate hauls are made at each site with catches from both hauls combined and considered one unit of effort. Fish are immediately placed in 10% formalin in the field and samples are stored in the laboratory for at least 2 weeks. The fish are then washed and soaked in water for two days before each is identified, weighed and measured. Final preservation is in 40% isopropyl alcohol.

PROGRAM INTEGRATION: The Susquehanna Steam Electric Station Monitoring Program - Fish Component is one portion of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - FISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
EL1	41 05 28	76 07 38	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	E BNK 130M UPRIVER FROM GASLINE
EL2	41 05 28	76 07 48	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	W BNK FROM GASLINE CROSSING GOI
EL3	41 04 35	76 07 45	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	E BNK 390M DOWNRIVER FROM INTAK
EL4	41 04 35	76 07 56	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	W BNK 390M DOWNRIVER FROM INTAK
PLANT	41 07 05	76 08 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	SUSQUEHANNA STEAM ELECTRIC STAT
SN1	41 05 37	76 07 37	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	E BNK 560M UPRIVER FROM INTAKE
SN2	41 05 30	76 07 51	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	W BNK 400M UPRIVER FROM INTAKE
SN3	41 04 00	76 08 35	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	E BNK 2.6KM DOWNRIVER FROM INTA
SN4	41 04 38	76 08 03	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	W BNK 1.3KM DOWNRIVER FROM INTA

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - FISH COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
PLANT
EL1
EL2
EL3
EL4
SN1
SN2
SN3
SN4
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE PROGRAM - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Montour Steam Electric Station Environmental Monitoring and Surveillance Program (EMSP) - Fish Component is designed to qualitatively assess environmental impacts of this fossil-fueled generating station on the Chillisquaque Creek. Monitoring is conducted in July of each year at four stations. Finfish monitoring is one component of EMSP which also involves water quality and benthic macroinvertebrate monitoring.

PROGRAM OBJECTIVE: To assess environmental impacts of the Montour Steam Electric Station on the Chillisquaque Creek, which receives the power station effluents.

DATE INITIATED: 1981

COORDINATING AGENCY:

Pennsylvania Power and Light Company
Environmental Management Division
Allentown, Pennsylvania 18101-1179

FUNDING AGENCY:

Pennsylvania Power and Light Company

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Pennsylvania Department of Environmental Resources (PADER)
Burke Environmental Consulting (BEC)

INVESTIGATORS:

Principal Investigator	William F. Skinner	PP&L
Principal Investigator	Robert B. Domermuth	PP&L
Principal Investigator	Ronald E. Hughey	PADER
Principal Investigator	Ronald A. Topel	PADER
Principal Investigator	John M. Burke	BEC

PARAMETERS:

Taxa Identification
Length
Weight
Relative Abundance and Distribution

STATIONS: There are four biological EMSP stations located in the vicinity of Montour Steam Electric Station. Station 2 extends from 500 to 700 m upstream of outfall 050, station 3 extends from L.R. 47015 bridge crossing to a point 250 m downstream of outfall 050, station 4 extends 700 to 900 m above the west branch - mainstem confluence, and station 5 extends 450 to 650 m downstream of Route 54 bridge crossing.

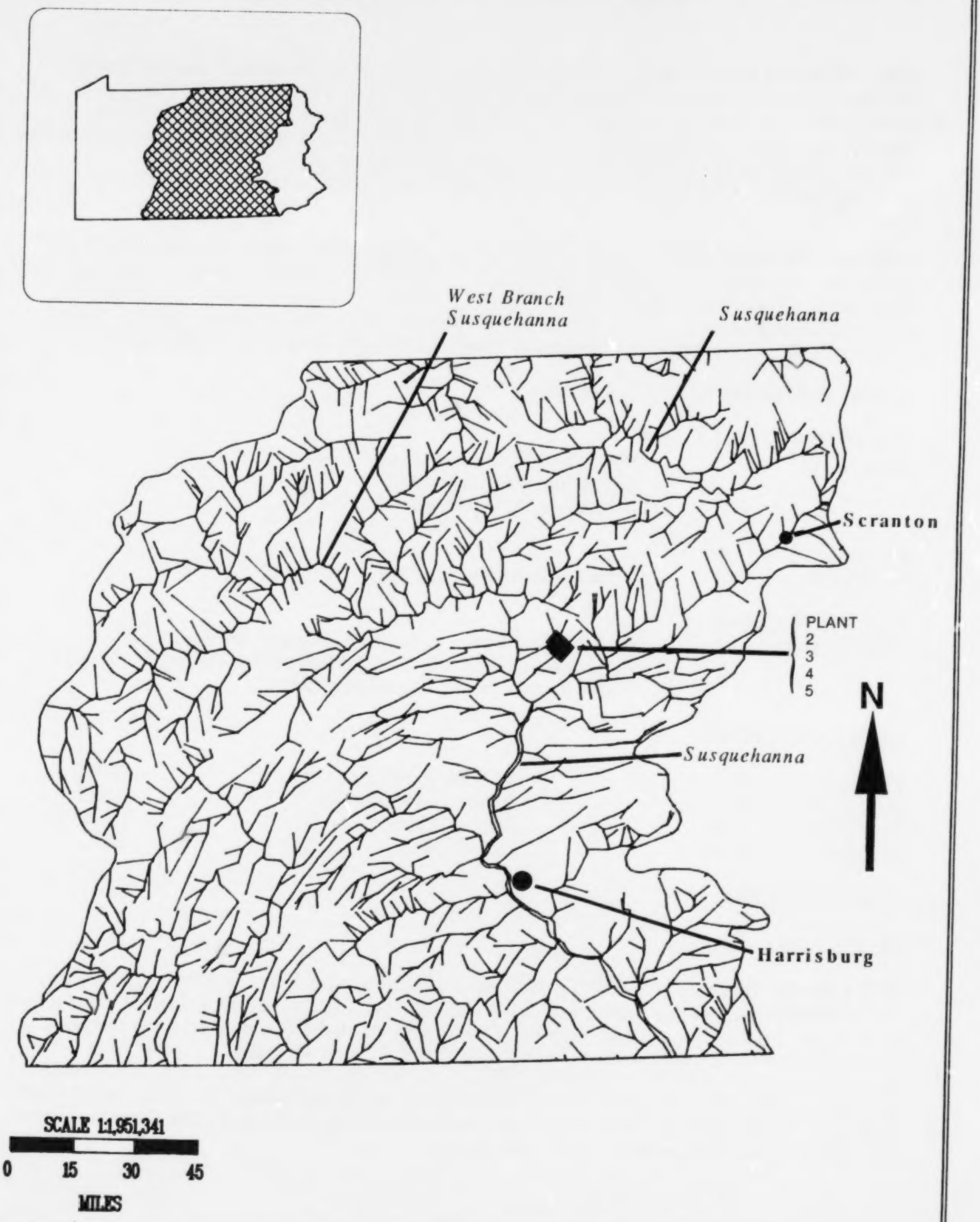
SAMPLE COLLECTION: Fish sampling is conducted in July as the summer season depicts fish populations and distribution under the most stressful environmental conditions of minimum effluent dilution and maximum stream temperatures. Fish are sampled from wadeable depths (up to 1.2 m) along a 200 m stretch of creek. Collections are made by employing either a backpack electroshocker set on a pulsed DC output of 150 to 200 watts, or a Smith-Root streamshocker utilizing various outputs and output characteristics. Attempts are made to collect from all available habitats (run, riffle, pool, backwater, etc.). Larger fish, especially game and pan fish species, are identified, measured, weighed and released on-site. Other specimens are preserved in 10% formalin and returned to the laboratory for processing and identification.

PROGRAM INTEGRATION: The Montour Steam Electric Station Environmental Monitoring and Surveillance Program - Finfish Component is one of three components of the EMSP program.

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
2	41 04 32	76 40 18	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	500-700 METERS UPSTREAM OF OUTF
3	41 04 11	76 40 32	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	LR47015 BR. TO 250 M DOWNSTREAM
4	41 04 15	76 40 53	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	700-900 M ABOVE W. BRANCH-MAINS
5	41 03 44	76 40 51	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	450-600 M DOWNSTREAM RT. 54 BRI
PLANT	41 03 48	76 39 57	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	MONTOUR STEAM ELECTRIC STATION

MONTOUR STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING & SURVEILLANCE STATIONS - FINFISH COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
PLANT
2
3
4
5
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE PROGRAM - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Brunner Island Steam Electric Station Environmental Monitoring and Surveillance Program (BISES EMSP) - Finfish Component was initiated to identify trends in operational effects upon receiving water, based on site-specific field data. Monitoring is conducted annually during the summer and biennially or triennially during the spring and fall (dependent on funding) at seven stations. Finfish monitoring at BISES is one component of the EMSP which also involves water quality and benthic invertebrate monitoring.

PROGRAM OBJECTIVE: To determine existing and probable impacts associated with the power plant's operations. To document and predict aquatic environmental changes resulting from operational and facility changes. To provide data to document short- and long-term impacts of major pollution incidents, should they occur. To provide data to determine if observed impacts result from BISES operations, operations of others, natural phenomena or a combination.

DATE INITIATED: June 1981

COORDINATING AGENCY:

Pennsylvania Power and Light Company
Environmental Management Division
Allentown, Pennsylvania 18101-1179

FUNDING AGENCY: Pennsylvania Power and Light Company

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Pennsylvania Department of Environmental Resources (PADER)
Burke Environmental Consulting (BEC)

INVESTIGATORS:

Principal Investigator	William F. Skinner	PP&L
Principal Investigator	Robert B. Domermuth	PP&L
Principal Investigator	Robert J. Schott	PADER
Principal Investigator	John M. Burke	BEC

PARAMETERS:

Identification to Species

STATIONS: There are seven EMSP stations at which biological data are taken. Station 1 is at the northern tip of Brunner Island, just downriver from the Conewago Creek-Susquehanna River confluence. Station 3 is at the confluence of the BISES thermal effluent and the Susquehanna River. Station 5A is just downriver from the BISES Ash Basin #6 outfall. Station 5B is approximately 150 m offshore from the BISES Ash Basin #6 outfall. Station 6 is between the southern tip of Haldeman Island and the confluence of the Susquehanna River and Conroy Creek. Station 7 is at the southern tip of Ely Island. Station 8 is in the first major riffle downriver from the Conroy Creek/ Susquehanna River confluence.

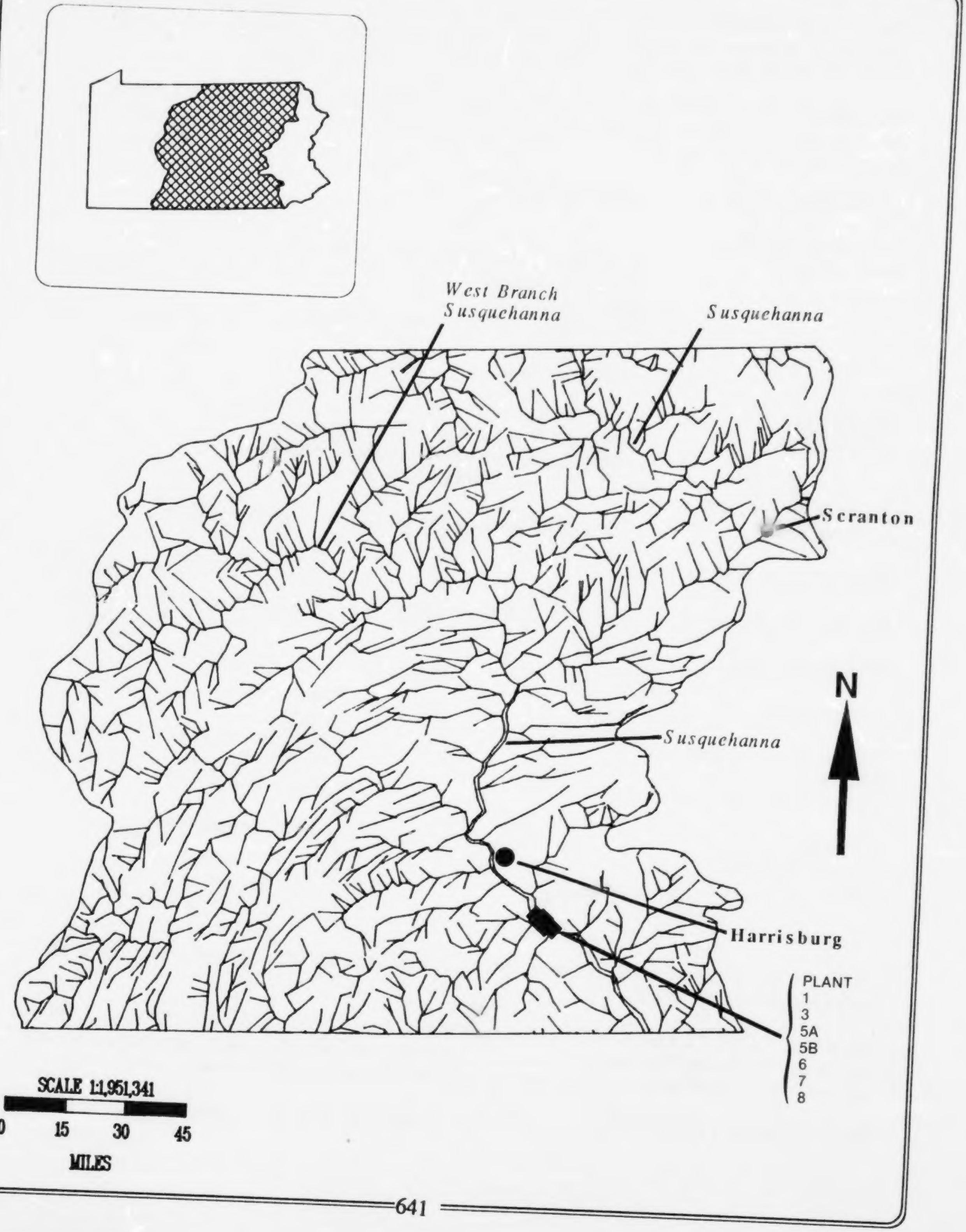
SAMPLE COLLECTION: Samples are collected each summer from a 200 m stretch, and up to 1.4 m in depth, along shorezone areas where the greatest impact from discharges would be expected. Collections are made using a 1.2 m x 3 m x 3.2 mm mesh seine, and a backpack electroshocker set on pulsed DC mode at output voltages ranging from 150 to 200 VDC. Stations are typically sampled in a 1-pass manner with no attempt made to achieve population estimates. Larger fish, especially game and pan fish species, are identified, measured, weighed and released at the station where they are collected. All other fish are preserved in 10% formalin and returned to the lab where they are identified to the species level.

PROGRAM INTEGRATION: The Brunner Island Steam Electric Station Environmental Monitoring and Surveillance Program - Finfish Component is one of three components of the BISES EMSP program.

BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	40 06 39	76 42 30	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NOTHERN TIP OF BRUNNER ISLAND
3	40 05 26	76 41 13	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BISES THERMAL EFFLUENT/SUSQ. RI
5A	40 04 39	76 40 38	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DOWNSTREAM BISES ASH BASIN 6 OU
5B	40 04 43	76 40 26	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	150M OFFSHORE BISES ASH BASIN 6
6	40 05 12	76 40 11	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SOUTHERN TIP OF HALDEMAN ISLAND
7	40 04 00	76 39 52	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SOUTHERN TIP OF FLY ISLAND
8	40 04 35	76 39 56	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	DOWNSTREAM CONROY CR/SUSQ. RIVE
PLANT	40 05 49	76 41 56	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BRUNNER ISLAND STEAM ELECTRIC S

BRUNNER ISLAND STEAM ELECTRIC STATION ENVIRONMENTAL MONITORING AND SURVEILLANCE STATIONS - FINFISH COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
N
Susquehanna
Harrisburg
PLANT
1
3
5A
5B
6
7
8
SCALE 1:1,951,341
0
15
30
45
MILES

MARYLAND YELLOW PERCH POPULATION SURVEY

PROGRAM DESCRIPTION: The Maryland Yellow Perch Population Survey is designed to characterize yellow perch populations. Monitoring is conducted in Tuckahoe Creek and the Choptank, Miles, Wye, Sassafras, and Bush rivers at commercial fyke nets.

PROGRAM OBJECTIVES: To determine current and long-term trends in movements, mortality rates, abundance, distribution, and composition of juvenile and adult stocks of yellow perch in the Choptank River.

DATE INITIATED: December 1986

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Fisheries Division
Estuarine and Marine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources
National Oceanic and Atmospheric Administration
U. S. Fish and Wildlife Service

PARTICIPATING AGENCY: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principal Investigator	William Eaton	MDDNR

PARAMETERS:

Water Column:
Depth
Surface Water Temperature
Surface Salinity
Surface pH (certain seasons)

Location
Species Captured
Number

Perch:
Length
Age (Scale samples)
Sex
Catch Per Unit Effort

Other Finfish Species:
Number
Size

STATIONS: There are four permanent fyke net stations in Tuckahoe Creek and in the Wye, Miles and Choptank rivers.

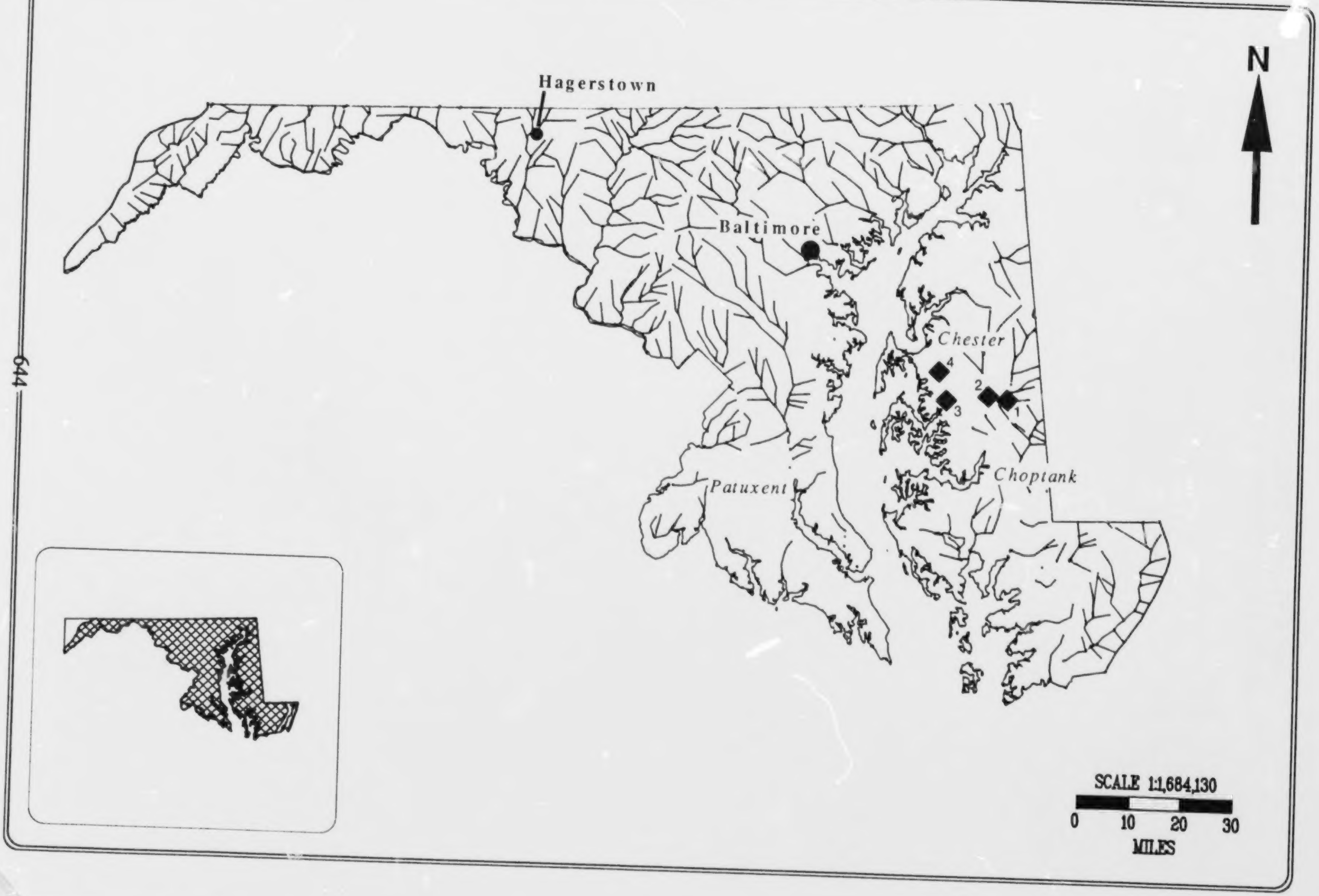
SAMPLE COLLECTION: Surveys are performed from February through September. Fyke nets are set up during February and March and visited three times per week. Sixteen foot trawls are made every other week at 16 stations in eight river systems in the summer.

PROGRAM INTEGRATION: Data is co-analyzed with other stock assessment data.

MARYLAND YELLOW PERCH POPULATION SURVEY - PERMANENT FYKE NET STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 49 32	75 51 24	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK AT MILL CREEK
2	38 50 09	75 55 30	BFL	EASTERN SHORE	CHOPTANK	2060005	TUCKAHOE CREEK ABOVE RT 328
3	38 50 34	76 06 24	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MILES RIVER BELOW LONG WOODS
4	38 55 41	76 06 43	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WYE RIVER EAST

MARYLAND YELLOW PERCH POPULATION SURVEY - PERMANENT FYKE NET STATIONS


N
Hagerstown
Baltimore
Chester
4
2
3
1
Choptank
Patuxent
SCALE 1:1,684,130
0
10
20
30
MILES

MARYLAND JUVENILE RIVER HERRING SURVEY

PROGRAM DESCRIPTION: The Maryland Juvenile River Herring Survey characterizes the juvenile herring population through bi-weekly monitoring at 50-60 stations located in Maryland tributaries of the Chesapeake Bay from June to September of each year.

PROGRAM OBJECTIVES: To determine relative abundance and distribution of juvenile alewife herring, blueback herring and American shad populations in order to examine the relationship between juvenile and adult abundance, and evaluate trends in reproduction in relation to environmental variables.

DATE INITIATED: June 1983

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Fisheries Division
Estuarine and Marine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES: Maryland Department of Natural Resources

PARTICIPATING AGENCY: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principle Investigator	Dale Weinrich	MDDNR
Principle Investigator	Jim Mowrer	MDDNR

PARAMETERS:

Water Column:
Depth
SurfaceTemperature
Surface pH
Surface Salinity

Herring and Shad:
Length
Number
Catch per Unit Effort

STATIONS: There are approximately 50-60 stations for the juvenile herring and shad surveys as stations are added and subtracted due to the need to cover specific salinities. These stations are located on the Susquehanna, Bush, Gunpowder, Patapsco, Chester, Choptank, Nanticoke, Pocomoke and Patuxent rivers. The 61 stations listed and mapped are from a recent survey.

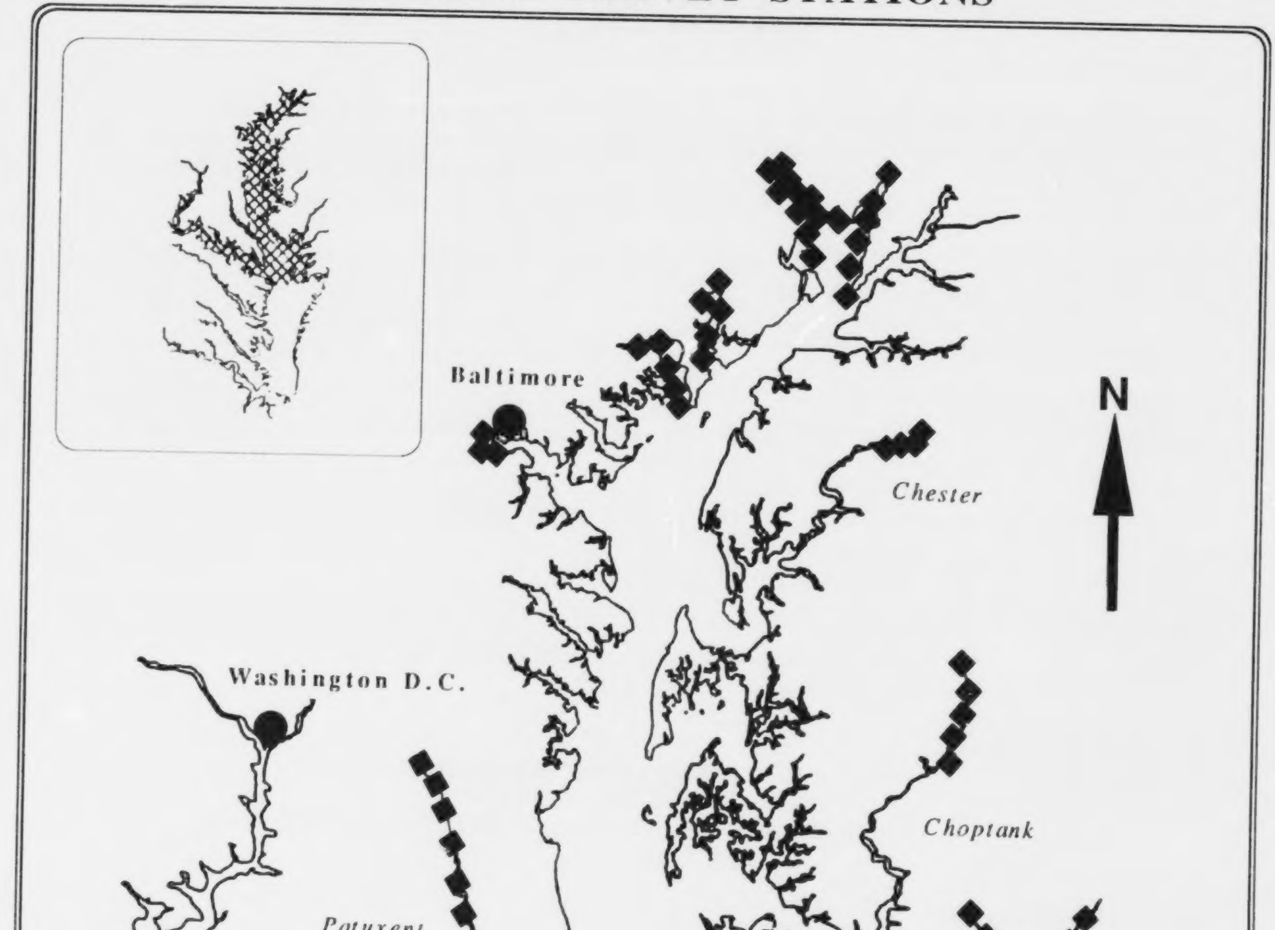
SAMPLE COLLECTION: Sampling is performed bi-weekly at approximately 50-60 stations from June through September. Samples are collected with a 5-foot wide midwater trawl towed at two knots for five minutes.

PROGRAM INTEGRATION: Juvenile abundance of these species is compared with adult abundance of the same. In addition, juvenile abundance is examined in conjunction with spring water quality conditions.

MARYLAND JUVENILE RIVER HERRING SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 49 36	75 51 30	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
2	38 51 06	75 51 18	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
3	38 52 12	75 50 36	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
4	38 53 36	75 50 06	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
5	38 55 12	75 50 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
1	38 29 54	75 47 12	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
2	38 31 06	75 45 24	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
3	38 32 00	75 44 00	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	
4	38 33 06	75 41 42	BFL	SUSQUEHANNA	LOWER SUSQUFHANNA	2050306	
5	38 34 12	75 39 54	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
6	38 36 00	75 38 00	ET-1	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
1	38 32 54	75 46 30	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
2	38 34 36	75 47 42	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
3	38 36 12	75 49 24	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
1	38 02 24	75 39 36	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
2	38 04 06	75 37 06	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
3	38 04 42	75 34 18	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
4	38 05 24	75 32 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
5	38 07 18	75 29 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
6	38 09 36	75 25 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
7	38 10 42	75 23 48	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
1	38 39 12	76 41 30	WT-1	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
2	38 41 12	76 41 48	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
3	38 43 06	76 41 54	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
4	38 45 36	76 42 00	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
5	38 47 30	76 42 18	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
6	38 49 00	76 42 42	WT-2	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
1	39 37 30	76 09 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
2	39 37 18	76 08 12	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
3	39 36 30	76 07 30	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
4	39 36 18	76 08 00	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
5	39 35 06	76 06 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
6	39 34 06	76 05 00	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
7	39 33 30	76 05 42	WT-5	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	
8	39 32 00	76 04 30	BFL	EASTERN SHORE	CHOPTANK	2060005	
9	39 30 12	76 04 24	BFL	EASTERN SHORE	CHOPTANK	2060005	
10	39 26 48	76 01 12	BFL	EASTERN SHORE	CHOPTANK	2060005	
11	39 29 12	76 00 18	BFL	EASTERN SHORE	CHOPTANK	2060005	
12	39 30 48	75 59 18	ET-5	EASTERN SHORE	CHOPTANK	2060005	
13	39 32 30	75 59 06	BFL	PATUXENT	PATUXENT	2060006	
14	39 33 54	75 58 12	BFL	PATUXENT	PATUXENT	2060006	
15	39 35 42	75 56 48	BFL	PATUXENT	PATUXENT	2060006	
16	39 32 42	76 01 18	BFL	PATUXENT	PATUXENT	2060006	
17	39 32 36	76 03 06	TF-1	WEST CHESAPEAKE	SEVERN	2060006	
1	39 26 36	76 15 48	BFL	PATUXENT	PATUXENT	2060006	
2	39 27 30	76 14 18	BFL	EASTERN SHORE	NANTICOKE	2060008	
3	39 25 54	76 14 30	BFL	EASTERN SHORE	NANTICOKE	2060008	
4	39 24 06	76 15 12	BFL	EASTERN SHORE	NANTICOKE	2060008	
5	39 23 06	76 15 42	BFL	EASTERN SHORE	NANTICOKE	2060008	
1	39 23 00	76 22 00	BFL	EASTERN SHORE	NANTICOKE	2060008	
2	39 22 42	76 20 00	BFL	EASTERN SHORE	NANTICOKE	2060008	
3	39 21 18	76 19 36	BFL	EASTERN SHORE	NANTICOKE	2060008	
4	39 20 00	76 18 48	BFL	EASTERN SHORE	NANTICOKE	2060008	
5	39 18 36	76 18 18	ET-6	EASTERN SHORE	NANTICOKE	2060008	
1	39 16 12	76 37 54	BFL	EASTERN SHORE	POCOMOKE	2060009	
2	39 15 24	76 36 48	BFL	EASTERN SHORE	POCOMOKE	2060009	
3	39 14 48	76 36 42	BFL	EASTERN SHORE	POCOMOKE	2060009	
1	39 14 24	75 57 00	BFL	EASTERN SHORE	POCOMOKE	2060009	
2	39 14 24	75 56 00	BFL	EASTERN SHORE	POCOMOKE	2060009	
3	39 14 36	75 54 36	BFL	EASTERN SHORE	POCOMOKE	2060009	
4	39 14 54	75 53 42	BFL	EASTERN SHORE	POCOMOKE	2060009	

MARYLAND JUVENILE RIVER HERRING SURVEY STATIONS


Baltimore
Washington D.C.
Chester
Choptank
Patuxent
Potomac
N
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES

MARYLAND ADULT AMERICAN SHAD SURVEY IN THE CHESAPEAKE BAY

PROGRAM DESCRIPTION: The Maryland Adult American Shad Survey in Upper Chesapeake Bay was established to characterize adult American shad populations, with monitoring performed daily from April to June at four stations in the Susquehanna River and Susquehanna Flats. Monitoring was added on the Nanticoke in 1988 from Tyaskin to Sharptown.

PROGRAM OBJECTIVES: To determine abundance, distribution, composition and coastal movement of adult American shad populations.

DATE INITIATED: April 1980

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Fisheries Division
Estuarine and Marine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES:

Maryland Department of Natural Resources (MDDNR)
U.S. Fish and Wildlife Service (FWS)
Susquehanna River Anadromous Fish Restoration Committee (SRAFRC)

INVESTIGATORS:

Principal Investigator	Dale Weinrich	MDDNR
Program Coordinator	Dick St. Pierre	SRAFRC

PARAMETERS:

Water Column:
Water Temperature
Salinity

American Shad:
Population Count
Length
Age
Sex
Catch per Unit Effort

STATIONS: There are four stations, two of the stations are located in the Susquehanna River, with two located in the Susquehanna Flats at the head of Chesapeake Bay. Additional stations were added on the Nanticoke River from Tyaskin to Sharptown in 1988. These are commercial pound nets, the locations of which may vary from year to year.

SAMPLE COLLECTION: Sampling is performed at the four upper bay stations on a daily basis from mid-April to the beginning of June. Hook and line are used at the stations near the

Conowingo Dam and Port Deposit. Additional use of an electroshocker may occur in the future as well. Commercial pound nets are used at the stations in the Susquehanna Flats with more commercial pound nets possibly added in the future depending on cooperation by fishermen. Fyke and commercial pound nets are utilized on the Nanticoke from Tyaskin to Sharptown.

PROGRAM INTEGRATION: This project in the Susquehanna River is considered a part of the SRAFRC annual work plan with findings reported in the SRAFRC annual report. In addition, a fish trap is operated at Conowingo Dam and catch per unit effort there is related to MDDNR population estimates.

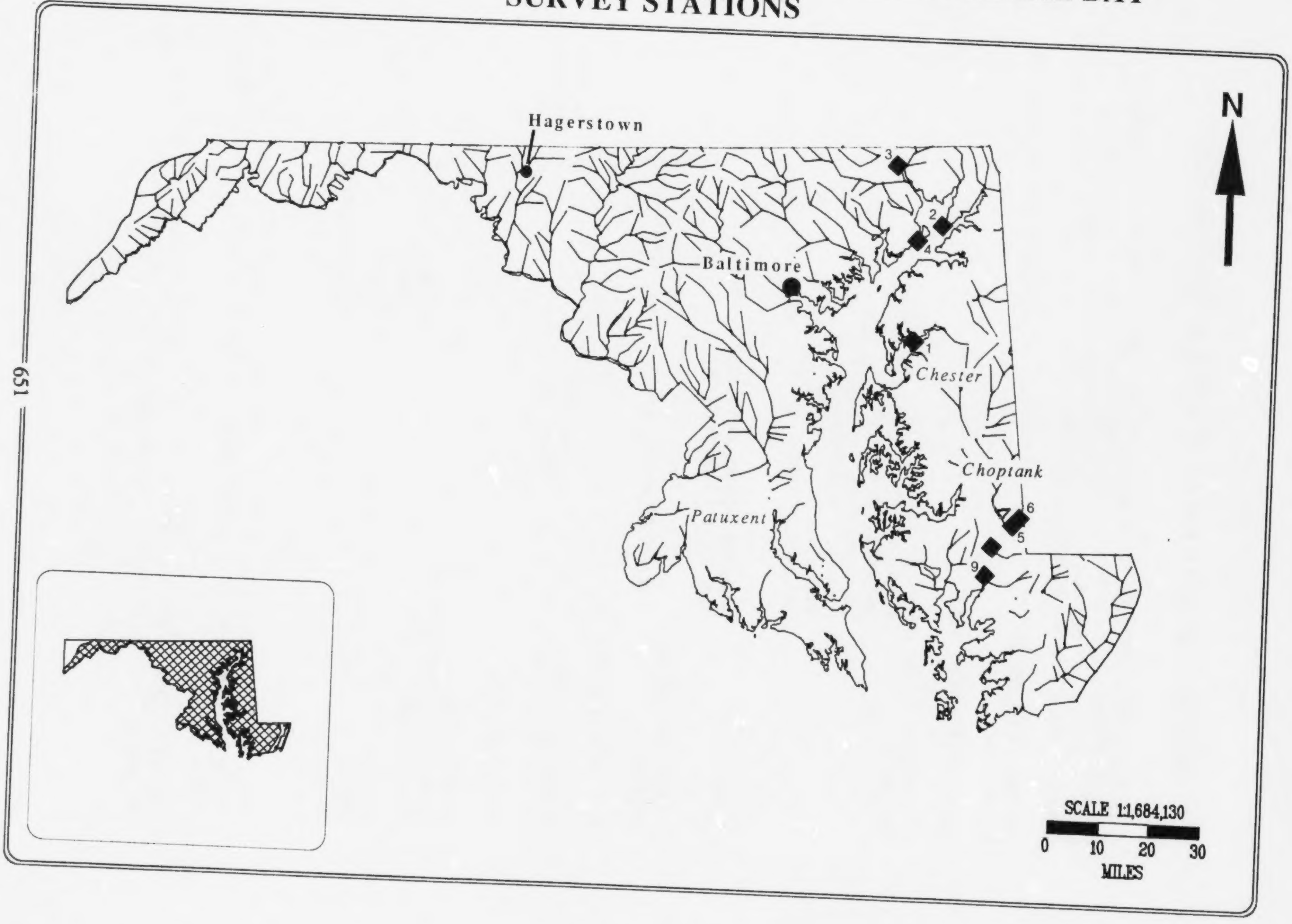
MARYLAND ADULT AMERICAN SHAD SURVEY IN THE UPPER CHESAPEAKE BAY - FYKE NETS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 06 12	76 07 30	ET-4	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MID CHANNEL NEAR PORT DEPOSIT
2	39 28 00	76 00 24	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTH OF TURKEY POINT
3	39 39 31	76 10 28	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	BASE OF THE CONOWINGO DAM
4	39 25 51	76 06 00	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	BELOW SPESUTIE ISLAND

MARYLAND ADULT AMERICAN SHAD SURVEY IN THE UPPER CHESAPEAKE BAY - COMMERCIAL POUND NETS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 32 14	75 44 44	ET-6	EASTERN SHORE	NANTICOKE	2060008	PLUM CREEK
2	38 32 41	75 42 35	BFL	EASTERN SHORE	NANTICOKE	2060008	NEAR SHARPTOWN, DORCHESTER SHOR
3	38 32 45	75 42 40	BFL	EASTERN SHORE	NANTICOKE	2060008	NEAR SHARPTOWN, WICOMICO SHORE
4	38 28 21	75 48 53	ET-6	EASTERN SHORE	NANTICOKE	2060008	NEAR MOUTH BARREN ISLAND CREEK
5	38 23 29	75 50 12	ET-6	EASTERN SHORE	NANTICOKE	2060008	NEAR MOUTH REWASTICO CREEK

MARYLAND ADULT AMERICAN SHAD IN THE CHESAPEAKE BAY SURVEY STATIONS


N
Hagerstown
Baltimore
Chester
Choptank
Patuxent
1
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SCALE 1:1,684,130
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30
MILES

MARYLAND ESTUARINE JUVENILE FINFISH SURVEY

PROGRAM DESCRIPTION: The Maryland Estuarine Juvenile Finfish Survey examines all shore zone fish populations in the upper Bay and the Choptank, Nanticoke and Potomac rivers. It is conducted monthly in July, August and September at 23 permanent stations and 23 auxilliary stations. A special emphasis is placed on striped bass, white perch and other anadromous species.

PROGRAM OBJECTIVES: To determine relative annual reproduction of several important finfish species.

DATE INITIATED: 1954

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Fisheries Division
Estuarine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources
U.S. Fish and Wildlife Service

PARTICIPATING AGENCY:

Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Principal Investigator	Steve Early	MDDNR
Principal Investigator	Don Cosden	MDDNR

PARAMETERS:

Water Column:
Surface Water Temperature
Surface Salinity

Location
Depth
Bottom Type

Tide

Species Captured
Number
Length
Age
Catch per Unit Effort

STATIONS: There are 23 permanent stations located in the upper Bay and the Choptank, Nanticoke and Potomac rivers, and 23 auxilliary stations in the Patuxent, Chester and Wicomico rivers.

SAMPLE COLLECTION: Each site is visited once during the months of July, August and September. Two samples are taken each visit using a 100 x 4 foot haul seine with 1/4 inch mesh.

Indices of abundance of various species of juveniles are then related to subsequent abundance of adult stocks of these species, such as striped bass, white perch and herring.

PROGRAM INTEGRATION: Juvenile catches of various species are compared with adult catches of these species obtained in other studies undertaken in Maryland.

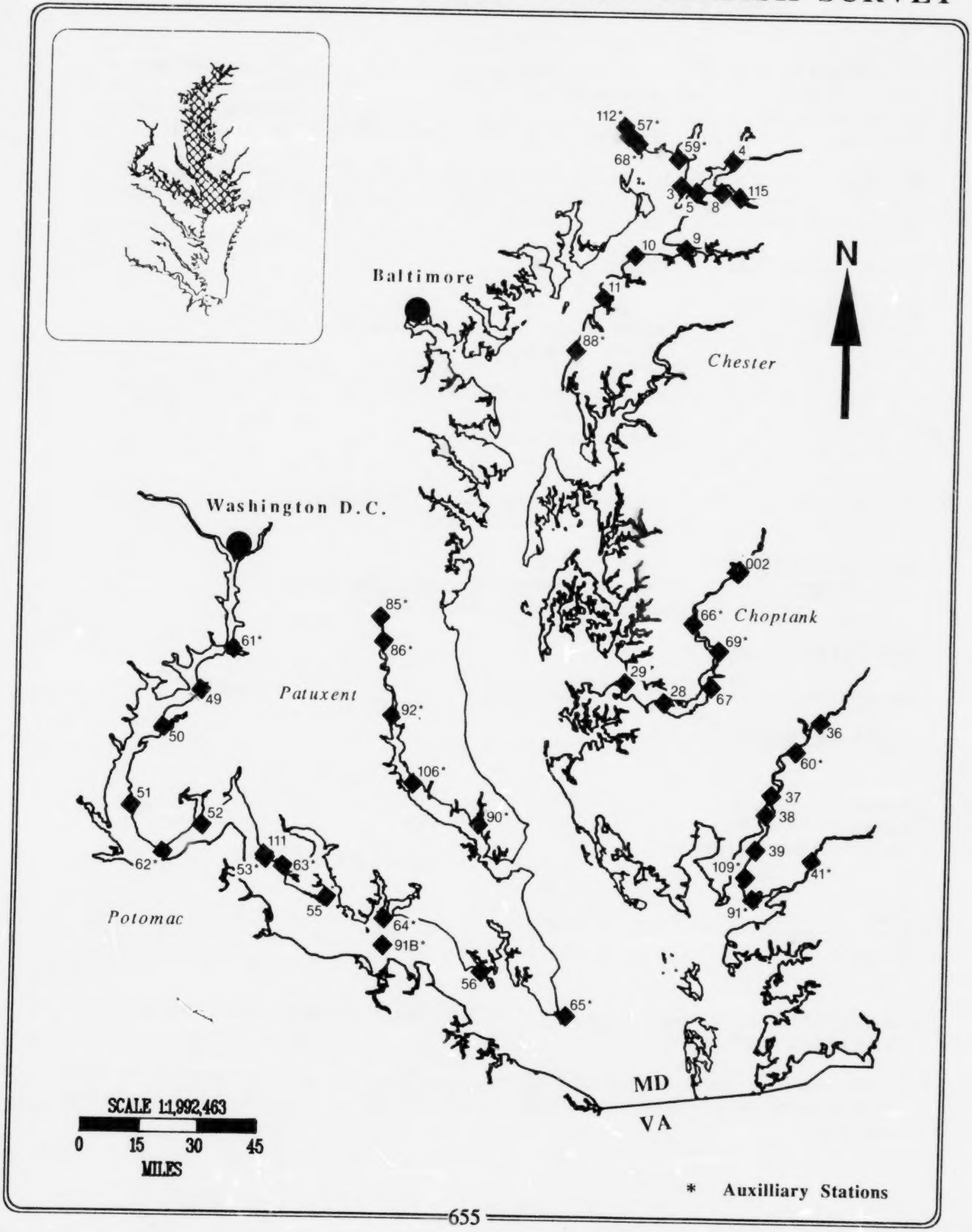
MARYLAND ESTUARINE JUVENILE FINFISH SURVEY - PERMANENT STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
002	38 48 59	75 53 46	BFL	EASTERN SHORE	CHOPTANK	2060005	TUCKAHOE CREEK, EASTSIDE NEAR M
10	39 22 22	76 06 16	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	SASSAFRAS RIVER, HOWELL POINT
11	39 18 08	76 10 41	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	MOUTH OF TIMS CREEK, WEST SHORE
111	38 20 28	76 58 29	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, MORGANTOWN S.E.S
115	39 28 02	75 52 07	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER, PARLOR POINT
28	38 35 21	76 04 58	ET-5	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER, CAMBRIDGE HAMBR
29	38 37 31	76 09 54	ET-5	EASTERN SHORE	CHOPTANK	2060005	CASTLE HAVEN, NORTHEAST SIDE
3	39 29 16	75 59 49	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST RIVER ELK ST PARK BEA
36	38 32 12	75 44 11	BFL	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, SHARPTOWN PULP
37	38 25 21	75 50 36	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, 0.3 MILES ABOV
38	38 23 21	75 51 25	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, OPPOSITE CHAPT
39	38 19 31	75 53 11	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, TAYSKIN BEACH
4	39 31 46	75 52 46	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	WELCH POINT,ELK RIVER
49	38 38 29	77 06 26	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POTOMAC RIVER, FENWICK - HOLLIS
5	39 28 33	75 57 60	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELK RIVER, HYLAND POINT LIGHT
50	38 35 02	77 11 26	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	INDIANHEAD- OLD BOAT BASIN
51	38 26 40	77 15 53	RET-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, LIVERPOOL POINT
52	38 24 25	77 06 34	RET-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, BLOSSOM POINT
53	38 21 09	76 58 37	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, RT 301 BRIDGE
55	38 16 20	76 50 14	BFL	POTOMAC	LOWER POTOMAC	2070011	WICOMICO RIVER, ROCK POINT
56	38 07 58	76 29 56	LE-2	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, ST. GEORGE ISLAN
67	38 36 47	75 58 35	ET-5	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER, MOUTH OF WARWIC
8	39 28 27	75 54 12	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	BOHEMIA RIVER, LONG POINT
9	39 22 56	75 59 38	ET-3	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	SASSAFRAS RIVER, ORDINARY POINT

MARYLAND ESTUARINE JUVENILE FINFISH SURVEY - AUXILLIARY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
106	38 28 04	76 38 55	LE-1	PATUXENT	PATUXENT	2060006	PATUXENT RIVER, SHERIDAN POINT
109	38 16 19	75 54 38	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, REDHILL ROAD
112	39 35 56	76 07 01	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SUSQUEHANNA RIVER, PORT DEPOSIT
41	38 18 08	75 45 48	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	WICOMICO RIVER,0.3 MILES BELOW
57	39 34 50	76 06 22	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SUSQUEHANNA RIVER, 1/2 MILE ABO
59	39 32 20	76 00 06	CB-1	CHESBAY	UPPER CHESAPEAKE BAY	2060001	NORTHEAST RIVER, CARPENTER POIN
60	38 29 45	75 47 16	ET-6	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, RT 50 BRIDGE
61	38 42 34	77 02 05	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POTOMAC RIVER, FORT WASHINGTON
62	38 21 41	77 11 53	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, MARYLAND POINT
63	38 19 45	76 56 19	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, LLOYDS POINT
64	38 14 00	76 43 12	BFL	POTOMAC	LOWER POTOMAC	2070011	POTOMAC RIVER, NEWTON NECK
65	38 02 46	76 19 16	CB-5	CHESBAY	UPPER CHESAPEAKE BAY	2060001	POTOMAC RIVER, POINT LOOKOUT
66	38 43 34	76 00 17	BFL	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER END OF HOG ISLAN
68	39 34 13	76 05 26	BFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SUSQUEHANNA FLATS, SPOIL ISLAND
69	38 40 35	75 57 35	ET-5	EASTERN SHORE	CHOPTANK	2060005	CHOPTANK RIVER, WINDY HILL
85	38 45 21	76 42 15	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER, SELBY LANDING
86	38 43 06	76 42 03	BFL	PATUXENT	PATUXENT	2060006	PATUXENT RIVER, NOTTINGHAM - WI
88	39 12 43	76 14 43	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	CHESAPEAKE BAY, BEACH AT TOLCHE
90	38 23 22	76 30 23	LE-1	PATUXENT	PATUXENT	2060006	PATUXENT RIVER, PETERSON POINT
91	38 14 25	75 54 16	BFL	EASTERN SHORE	NANTICOKE	2060008	NANTICOKE RIVER, WATERVIEW
91B	38 11 15	76 43 18	LE-2	POTOMAC	LOWER POTOMAC	2070011	PATUXENT RIVER, MILLTOWN LANDIN
92	38 35 04	76 41 14	TF-1	WEST CHESAPEAKE	SEVERN	2060006	PATUXENT RIVER, EAGLE HARBOR

MARYLAND ESTUARINE JUVENILE FINFISH SURVEY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66*
Choptank
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Patuxent
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106*
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62*
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63*
109*
41*
55
91*
Potomac
64*
91B*
56
65*
MD
VA
SCALE 1:1,992,463
0
15
30
45
MILES
* Auxilliary Stations

MARYLAND ADULT STRIPED BASS SURVEY

PROGRAM DESCRIPTION: The Maryland Adult Striped Bass Survey was established to characterize adult striped bass populations. Monitoring is conducted 4-5 times per week at over 60 stations in Maryland portions of the Chesapeake Bay, the Potomac and Choptank rivers, and the C&D Canal. Through this survey other species, notably white perch, are also collected.

PROGRAM OBJECTIVES: To seasonally determine age, size, and sex composition, and maturity, migration and mortality rates, of adult striped bass populations. To estimate wild stock and hatchery contributions to these populations.

DATE INITIATED: November 1981

COORDINATING AGENCY:

Maryland Department of Natural Resources
Tidewater Administration
Fisheries Division
Estuarine and Marine Fisheries Program
Tawes State Office Building
Annapolis, Maryland 21401

FUNDING AGENCIES:

Maryland Department of Natural Resources
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES:

Maryland Department of Natural Resources (MDDNR)
U.S. Fish and Wildlife Service (FWS)

INVESTIGATORS:

Principle Investigator	Steve Early	MDDNR

PARAMETERS:

Water Column:
Surface Temperature
Surface Salinity
Surface pH (certain seasons)

Location
Depth
Species Captured
Number

Striped Bass:
Length
Age
Sex
Catch Per Unit Effort

White Perch:
Length
Sex
Catch Per Unit Effort

STATIONS: There are over 60 stations utilized in the striped bass survey during the winter, spring and summer months:

- In the winter, the survey is conducted at 47 stations in parts of the upper Bay from Worton Point to Bloody Point, and 12 stations the Choptank River from just west of the Route 50 bridge to Bow Knee Point ;

- In the spring, the survey is conducted at randomly chosen stations using a grid pattern in the upper Bay from Worton Point to Turkey Point, (at three areas in the C&D Canal from Turkey Point to the Delaware Line, at 11 stations on the Choptank River from below 331 bridge to Williston, and at random on the Potomac from Maryland Point to Indian Head;

- In the summer, the survey is usually conducted in conjunction with experienced charter boat captains (no specific stations) in the Maryland portions of the mainstem Bay from below Conowingo Dam in the Susquehanna to Cornfield Harbor, in Potomac River to near the District line, in the mouth of the Chester River, in the Choptank from the mouth to the town of Choptank and a short distance into Eastern Bay.

SAMPLE COLLECTION:

- Winter sampling is performed four times per week for a six week period in November and December at 59 stations in the upper Bay and Choptank River. A multipanel anchor gill net is used.

- Spring sampling takes place from early April through late May. Sampling is performed at a different random station each day in the upper Bay, at three "areas" in the C&D Canal, at 11 stations in the Choptank and at a different random station each day in the Potomac River. A multipanel drift gill net is used.

- Summer sampling may be performed in various areas of the Bay and in the Choptank and Potomac Rivers five times per week for one week of July, August and either October or November via hook and line from charter boats.

PROGRAM INTEGRATION: Through this program, MDDNR (along with other coastal states) is cooperating with the FWS in a coastal tagging project. Population parameters derived from this program are used to refine the coastal management model.

MARYLAND ADULT STRIPED BASS SURVEY
SPRING STATIONS - CHOPTANK RIVER

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
20A	38 44 09	75 59 46	ET-5	EASTERN SHORE	CHOPTANK	2060005	
20B	38 44 42	75 59 54	ET-5	EASTERN SHORE	CHOPTANK	2060005	
21A	38 44 57	76 00 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	
21B	38 45 13	76 00 02	ET-5	EASTERN SHORE	CHOPTANK	2060005	
22A	38 45 33	75 59 39	ET-5	EASTERN SHORE	CHOPTANK	2060005	
22B	38 45 51	75 58 45	ET-5	EASTERN SHORE	CHOPTANK	2060005	
23A	38 46 04	75 58 29	ET-5	EASTERN SHORE	CHOPTANK	2060005	
23B	38 46 32	75 58 14	ET-5	EASTERN SHORE	CHOPTANK	2060005	
24A	38 46 46	75 57 52	ET-5	EASTERN SHORE	CHOPTANK	2060005	
24B	38 46 40	75 57 20	ET-5	EASTERN SHORE	CHOPTANK	2060005	
25A	38 46 44	75 57 00	ET-5	EASTERN SHORE	CHOPTANK	2060005	
25B	38 47 08	75 56 26	ET-5	EASTERN SHORE	CHOPTANK	2060005	
26A	38 47 53	75 55 46	ET-5	EASTERN SHORE	CHOPTANK	2060005	
26B	38 48 03	75 55 26	ET-5	EASTERN SHORE	CHOPTANK	2060005	
27A	38 48 08	75 55 11	ET-5	EASTERN SHORE	CHOPTANK	2060005	
27B	38 48 22	75 54 28	ET-5	EASTERN SHORE	CHOPTANK	2060005	
28A	38 48 58	75 53 06	ET-5	EASTERN SHORE	CHOPTANK	2060005	
28B	38 49 14	75 52 50	ET-5	EASTERN SHORE	CHOPTANK	2060005	
29	38 48 42	75 53 36	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
30A	38 49 31	75 51 32	ET-5	EASTERN SHORE	CHOPTANK	2060005	
30B	38 49 49	75 51 21	ET-5	EASTERN SHORE	CHOPTANK	2060005	

MARYLAND ADULT STRIPED BASS SURVEY
WINTER STATIONS - CHOPTANK RIVER

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 34 57	76 03 11	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
2	38 36 35	75 59 04	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
3	38 37 29	75 59 15	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
4	38 37 59	75 58 58	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
5	38 34 39	76 01 30	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
6	38 34 56	76 01 17	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
7	38 35 05	76 00 37	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
8	38 35 43	75 59 49	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
9	38 38 16	75 58 29	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
10	38 34 03	76 02 18	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
11	38 35 51	76 02 09	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
12	38 37 04	76 04 33	BFL	EASTERN SHORE	CHOPTANK	2060005	

MARYLAND ADULT STRIPED BASS SURVEY
WINTER STATIONS - UPPER BAY

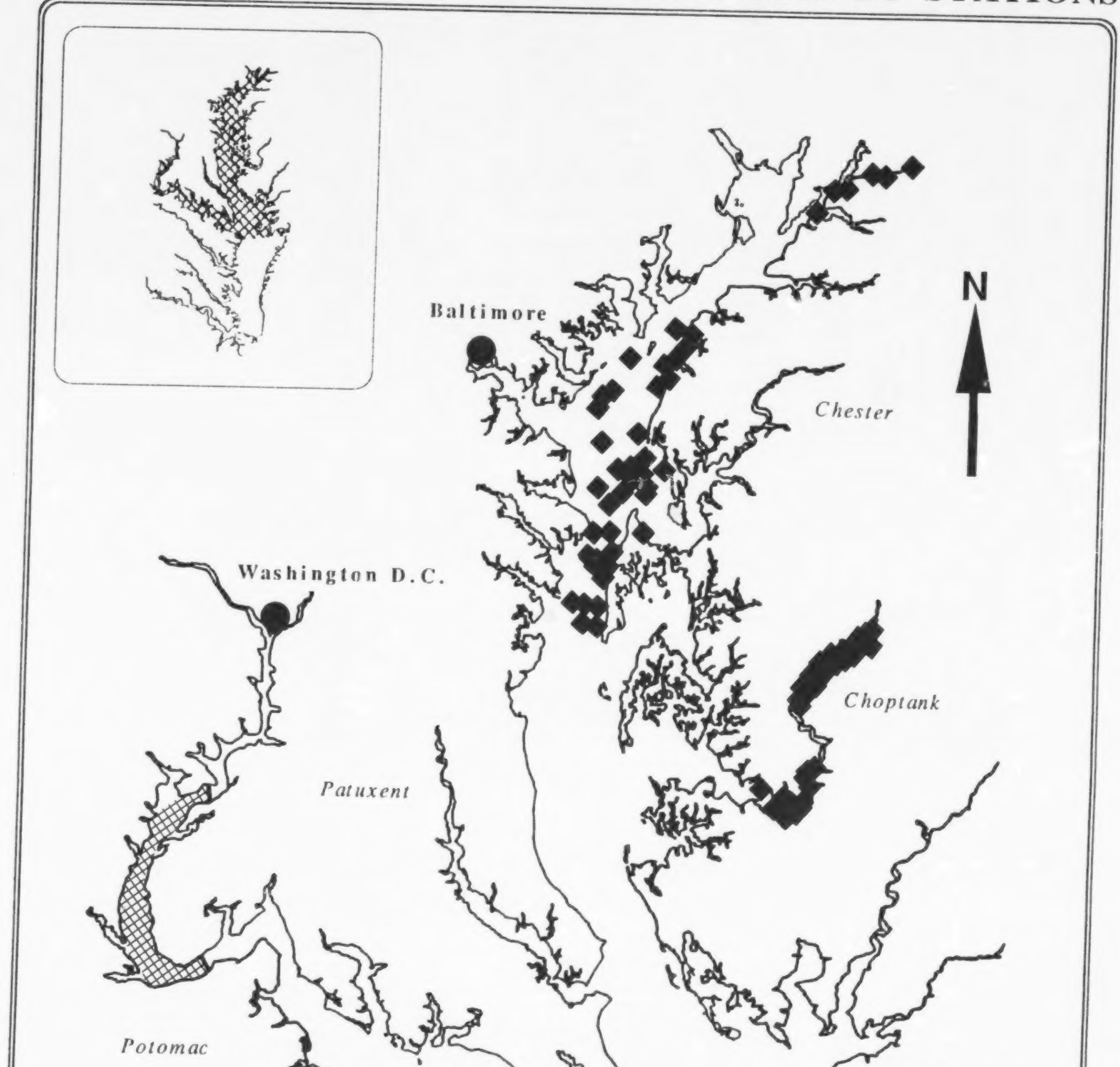
STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 34 57	76 03 11	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
2	39 12 52	76 21 45	ET-5	EASTERN SHORE	CHOPTANK	2060005	
3	39 13 33	76 20 40	ET-5	EASTERN SHORE	CHOPTANK	2060005	
4	39 05 37	76 18 45	ET-5	EASTERN SHORE	CHOPTANK	2060005	
5	39 04 18	76 19 42	ET-5	EASTERN SHORE	CHOPTANK	2060005	
6	39 03 15	76 21 20	ET-5	EASTERN SHORE	CHOPTANK	2060005	
7	38 58 25	76 24 15	ET-5	EASTERN SHORE	CHOPTANK	2060005	
8	38 57 46	76 23 16	ET-5	EASTERN SHORE	CHOPTANK	2060005	
9	38 58 22	76 23 03	ET-5	EASTERN SHORE	CHOPTANK	2060005	
10	38 53 50	76 22 49	ET-5	EASTERN SHORE	CHOPTANK	2060005	
11	38 53 54	76 24 33	BFL	EASTERN SHORE	CHOPTANK	2060005	
12	38 37 04	76 04 33	BFL	EASTERN SHORE	CHOPTANK	2060005	

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
13	39 00 39	76 23 04	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
14	39 00 36	76 21 41	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
15	38 52 06	76 23 06	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
16	38 52 16	76 24 50	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
17	39 04 26	76 22 39	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
18	39 04 12	76 16 56	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
19	39 05 52	76 17 21	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
20	39 06 21	76 18 32	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
21	39 09 20	76 17 48	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
22	39 13 54	76 15 04	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
23	39 15 41	76 14 04	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
24	39 16 35	76 13 08	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
25	39 18 49	76 12 49	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
27	39 17 15	76 12 03	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
29	39 16 29	76 18 33	ET-5	EASTERN SHORE	CHOPTANK	2060005	
32	39 08 41	76 22 12	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
35	39 05 59	76 15 05	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
36	39 04 56	76 16 53	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
37	38 58 49	76 21 17	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
40	39 18 20	76 11 17	CB-2	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
41	39 10 27	76 17 34	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
42	38 54 09	76 25 45	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
43	39 14 59	76 13 57	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
44	39 06 13	76 20 16	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
45	39 07 20	76 17 04	CB-3	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
46	38 56 43	76 22 28	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	
47	38 57 49	76 21 52	CB-4	CHESBAY	UPPER CHESAPEAKE BAY	2060001	

MARYLAND ADULT STRIPED BASS SURVEY
SPRING STATIONS - ELK RIVER

STATION NAME (S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1A	39 28 47	75 54 57	ET-2	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
1B	39 31 00	75 52 13	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
2A	39 33 46	75 52 14	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
2B	39 33 16	75 49 28	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
3A	39 33 30	75 49 17	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	
3B	39 33 04	75 47 41	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	

MARYLAND ADULT STRIPED BASS SURVEY STATIONS


Baltimore
Washington D.C.
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Chester
Choptank
Patuxent
Potomac
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SCALE 1:1,992,463
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15
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45
MILES

DISTRICT OF COLUMBIA ANADROMOUS FISH SURVEY

PROGRAM DESCRIPTION: The District of Columbia Anadromous Fish Survey is an outgrowth of a previous survey, which has been modified to serve as a long-term assessment of anadromous fish in the Potomac and Anacostia rivers. Through it, four gillnetting stations are sampled every other week from February to the end of spawning migration season in May.

PROGRAM OBJECTIVES: To characterize present levels of anadromous fish stocks for formulation of effective management decisions, and detection of long-term fishery trends and responses to management actions; to determine interaction of environmental and hydrographic components with anadromous fish resources; to establish annual juvenile indices for selected species.

DATE INITIATED: Original - March 1985; New - January 1988

COORDINATING AGENCY:

District of Columbia Department of Consumer and Regulatory Affairs
Environmental Control Division
Fisheries Management Program
5010 Overlook Avenue, NW
Washington, D.C. 20032

FUNDING AGENCIES:

D.C. Department of Consumer and Regulatory Affairs
National Oceanic and Atmospheric Administration,

PARTICIPATING AGENCY: D.C. Department of Consumer and Regulatory Affairs (DCDCRA)

INVESTIGATORS:

Program Coordinator	James Sweeney	DCDCRA
Project Leader	Ira Palmer	DCDCRA

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Specific Conductivity
pH
Secchi Depth

Air Temperature
Bottom Depth
Tide Direction
Tidal Stage
Weather Conditions
Wind Direction
Wind Speed

Anadromous Fish:
Number per species
Length per species
Weight per species
Age for White Perch, Striped Bass and some herring

All Fish:
Catch Per Unit Effort
Total Count
Total Biomass

STATIONS: Four regions between the transects used in surveying resident fish have been identified as gillnetting sites for anadromous fish in the Potomac and Anacostia rivers. In addition, an upstream and downstream station are planned for sampling in Rock Creek and Oxon Run.

SAMPLE COLLECTION: Four regions of the Potomac and Anacostia Rivers have been selected from 14 previously sampled sites. Sampling commences during late winter (February) and is conducted every other week through the termination of the anadromous spawning migration in May. Additional sampling is conducted into the spring/summer months to assess the juvenile and semi-resident component of anadromous stocks. Samples are taken with four mesh size anchored gillnets (3,4,5 and 6 inch) set within two hours of high tide and fished simultaneously. Total time fished is noted for determination of catch-per-unit-effort. Two stream systems, Rock Creek and Oxon Run, are sampled at downstream and upstream locations with a backpack shocker and stream seine. All anadromous fish taken are measured, weighed with selected species aged, and other species enumerated and weighed for total biomass contribution. Beach seining for juvenile anadromous fish is conducted with the resident fish beach seining monthly from May to November. Anadromous juveniles taken in the resident fish beach seining will be used to determine annual young of the year indices.

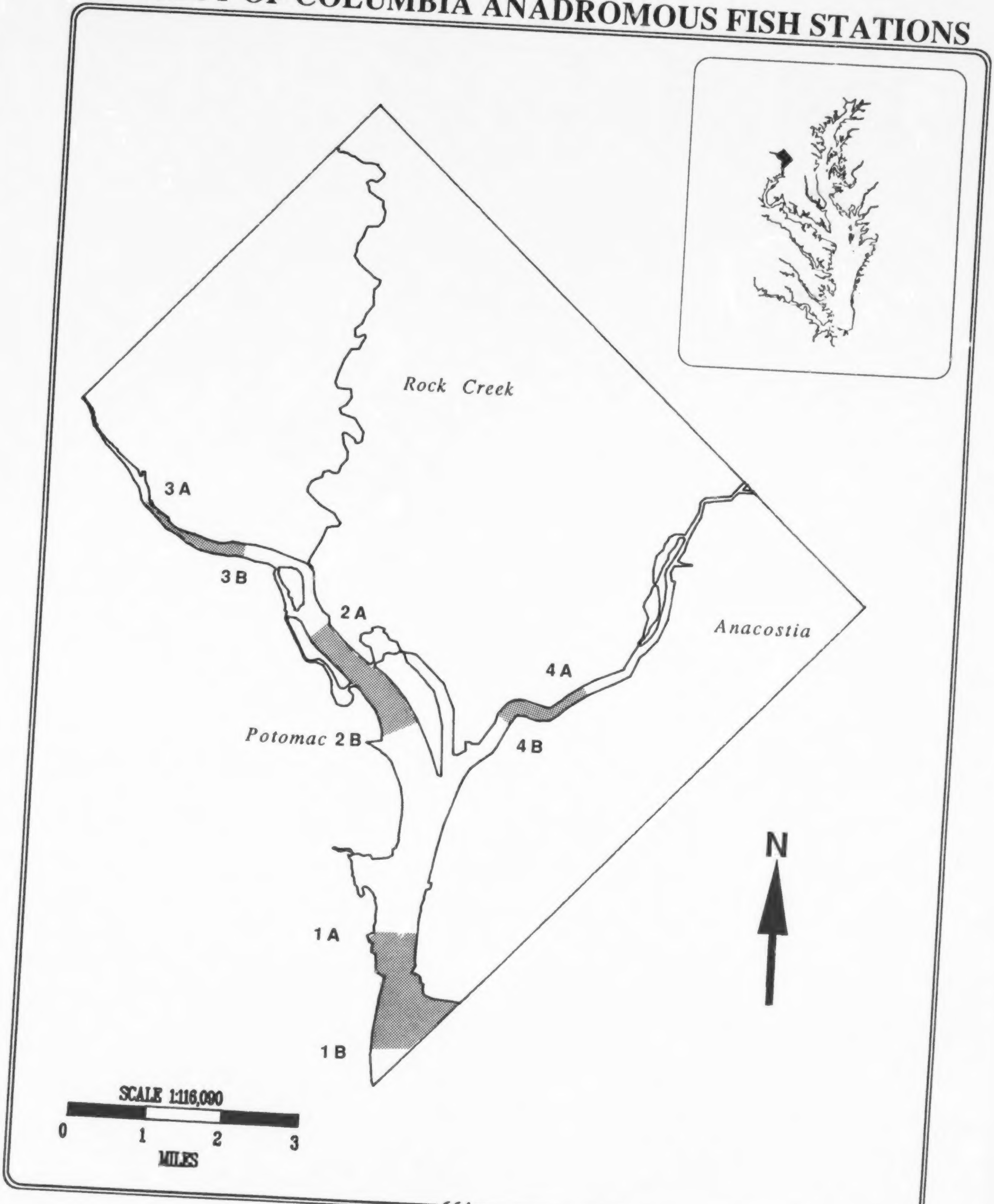
Water quality parameters are measured at 1 meter below the surface and 1meter above the bottom.

PROGRAM INTEGRATION: Sampling periodicity will allow joint collections with other programs sponsored by DCDCRA.

DISTRICT OF COLUMBIA ANADROMOUS FISH STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1A	38 49 29	77 01 57	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	WILSON BRDG N. TO PEPCO PLANT
1B	38 48 08	77 02 00	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	WILSON BRDG N. TO PEPCO PLANT
2A	38 53 14	77 03 20	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	N. OF ROACHES RUN TO MEMORIAL B
2B	38 51 52	77 01 59	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	N. OF ROACHES RUN TO MEMORIAL B
3A	38 54 26	77 05 43	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	N. OF KEY BRDG THROUGH 3 SISTER
3B	38 54 08	77 04 18	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	N. OF KEY BRDG THROUGH 3 SISTER
4A	38 52 06	77 00 18	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	E. OF NAVY YARD TO J. P. SOUSA
4B	38 52 25	76 59 11	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	E. OF NAVY YARD TO J. P. SOUSA

DISTRICT OF COLUMBIA ANADROMOUS FISH STATIONS


Rock Creek
3 A
3 B
2 A
Potomac 2 B
4 A
4 B
Anacostia
1 A
1 B
N
SCALE 1:116,090
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2
3
MILES

DISTRICT OF COLUMBIA RESIDENT FISH SURVEY

PROGRAM DESCRIPTION: The District of Columbia Resident Fish Survey is an outgrowth of previous work conducted by the Department of Consumer and Regulatory Affairs (DCDCRA), and has been modified to serve as a long-term program by which to assess resident fisheries resources.

PROGRAM OBJECTIVES: To characterize present levels of resident fish stocks for formulation of effective management decisions, and detection of long-term fishery trends and responses to management actions; to determine interaction of environmental and hydrographic components with fisheries resources; and to establish annual juvenile indexes for selected species.

DATE INITIATED: January 1988 [The beach seining survey, which continues as a part of this program, was initiated in March 1984.]

COORDINATING AGENCY:

District of Columbia Department of Consumer and Regulatory Affairs
Environmental Control Division
Fisheries Management Program
5010 Overlook Avenue, SW
Washington, D.C. 20032

FUNDING AGENCIES:

D.C. Department of Consumer and Regulatory Affairs
U.S. Fish and Wildlife Service

PARTICIPATING AGENCY: D.C. Department of Consumer and Regulatory Affairs (DCDCRA)

INVESTIGATORS:

Program Coordinator	James Sweeney	DCDCRA
Project Leader	Ira Palmer	DCDCRA

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Specific Conductivity
pH
Secchi Depth

Air Temperature
Bottom Depth
Tide Direction
Tidal Stage
Weather Conditions

Wind Direction
Wind Speed

Fish:
Total Count
Total Biomass
Number per species
Length per species
Weight per species
Age per species

STATIONS: There are five transects in which sampling takes place on the Potomac and Anacostia Rivers. These transects represent three habitat types - beach, nearshore shoal and deep channel.

SAMPLE COLLECTION: All resident sampling is conducted at five transects on the Potomac and Anacostia Rivers at two randomly selected times in each season (8x/year). However, beach seining to obtain juvenile "young of the year" indices (for anadromous fish), is conducted once each month from May to November, with certain samplings overlapping the seasonal resident sampling. Air temperature, bottom depth, tide direction, tidal stage, weather conditions, wind direction, and wind speed are recorded at each sampling, as are water temperature (surface and bottom), dissolved oxygen (surface and bottom), specific conductivity (1 meter depth), pH and secchi depth.

Different types of gear are used when sampling in each habitat type. Trawls are used in the channel, electrofishing at the nearshore zones and beach seining at the shore sites. Standardized trawls are run in both upstream and downstream directions. Electrofishing is conducted for set time periods and standardized voltage, and standard beach seine dimensions are employed.

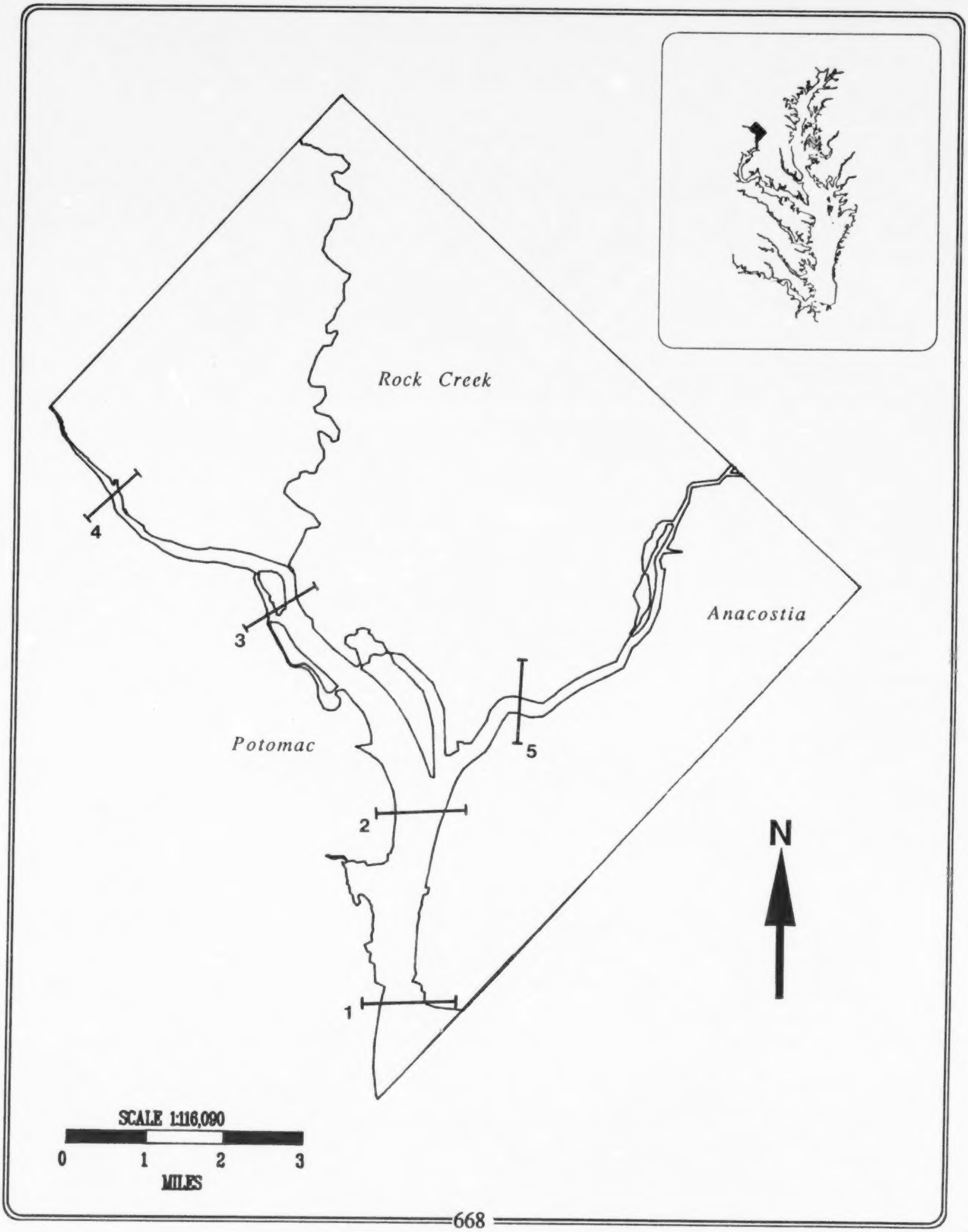
A random subsample of 50 fish is measured and weighed for each species, and scales/ogolith samples are taken as needed for determination of age composition. Total biomass and counts are taken for all remaining fish. Striped bass juveniles taken during beach seining are measured and used to construct annual young of the year indexes.

PROGRAM INTEGRATION: Field and analytical methods used are comparable with previous work accomplished in the District and designed to extend the existing data base. Sampling periodicity will allow joint collections with other programs sponsored by DCDCRA. Sampling gear and protocols for young of the year and trawl catches are standardized with methods currently used by Virginia and Maryland programs.

DISTRICT OF COLUMBIA RESIDENT FISH STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 48 06	77 02 00	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	OXON CREEK
2	38 50 58	77 01 29	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NATIONAL AIRPORT
3	38 53 26	77 03 10	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	S. ROOSEVELT ISLAND
4	38 55 00	77 05 57	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FLETCHERS BOATHOUSE
5	38 52 14	77 00 00	TF-2	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	POPLAR POINT

DISTRICT OF COLUMBIA RESIDENT FISH STATIONS


Rock Creek
Anacostia
Potomac
4
3
5
2
1
N
SCALE 1:116,090
0
1
2
3
MILES

VIRGINIA JUVENILE FINFISH SURVEY

PROGRAM DESCRIPTION: The Virginia Juvenile Finfish Survey conducts trawl surveys in Virginia's Chesapeake Bay tributaries in order to monitor various species of juvenile finfish.

PROGRAM OBJECTIVES: To assess current status and long-term trends of Virginia's juvenile finfish populations.

DATE INITIATED: 1955

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Biological and Fisheries Science
Gloucester Point, Virginia 23062

FUNDING AGENCY: Commonwealth of Virginia

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	James Colvocoresses	VIMS

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Salinity

Fish Counts
Fish Length

Species:
Croaker
Spot
Flounder
Anchovies
Eel
Menhaden
White Perch
Hogchoker
Weakfish
Striped Bass
Catfish
All other finfish captured

STATIONS: Three transects are performed on the James, York and Rappahannock Rivers, starting at the mouth and continuing up the river at five mile intervals. A random-stratified survey of the lower Chesapeake Bay is also conducted on a monthly basis. Based on latitude and taken at depths of 12-30, 30-42, and 42 feet, it consists of 36-48 tows.

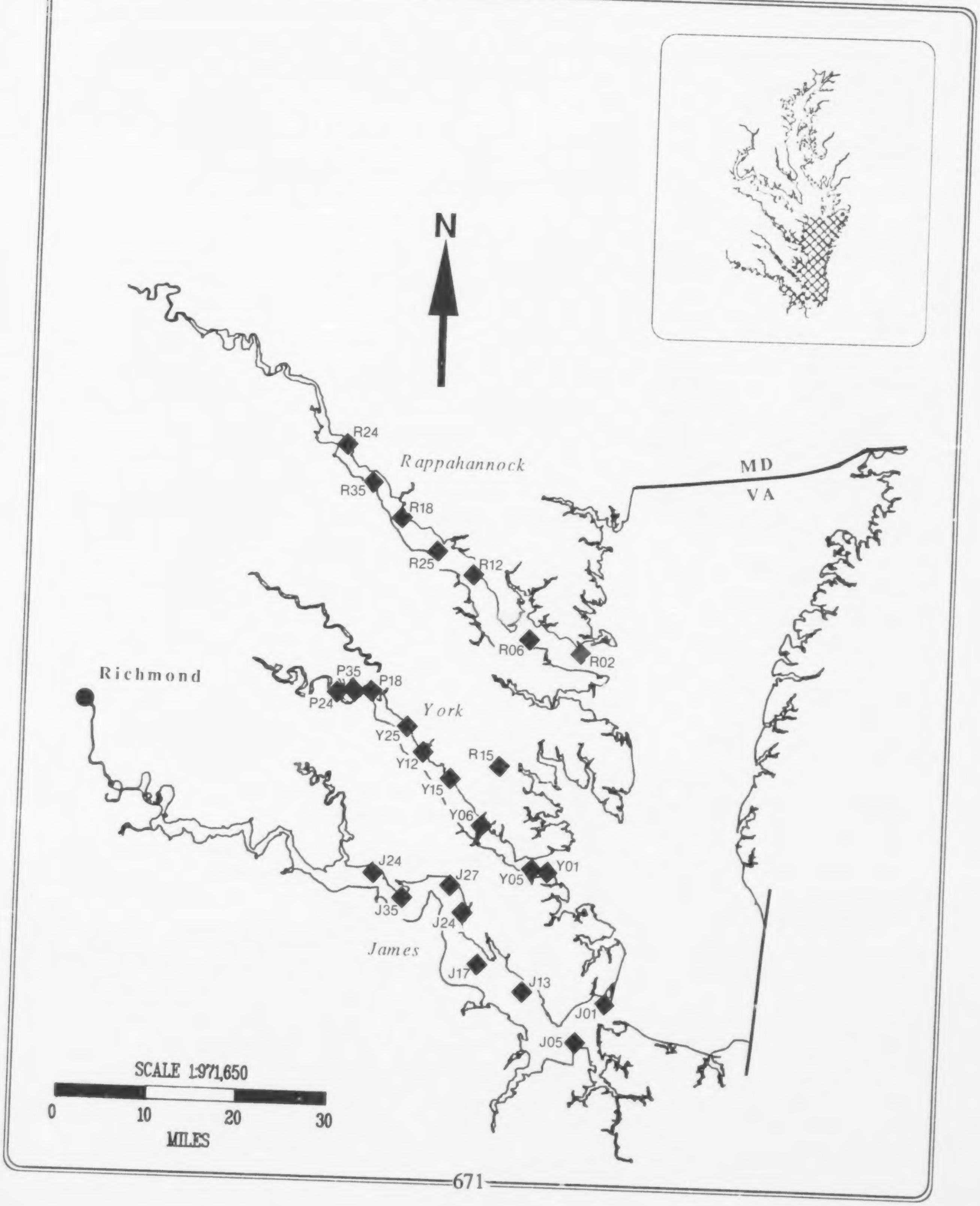
SAMPLE COLLECTION: Samples are collected monthly from May to November. Temperature, dissolved oxygen and salinity measurements are made at both the surface and the bottom of the water column at the end of each tow.

PROGRAM INTEGRATION: Monitoring of juvenile finfish is performed concomitantly with monitoring of juvenile blue crabs.

VIRGINIA JUVENILE FINFISH SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
J01	36 59 42	76 19 42	LE-5	JAMES	LOWER JAMES	2080206	JUST ABOVE BOUY 14, AT 25 FT
J05	36 56 00	76 23 30	LE-5	JAMES	LOWER JAMES	2080206	NEXT TO MIDDLE GROUND LIGHT, AT
J13	37 01 18	76 30 30	LE-5	JAMES	LOWER JAMES	2080206	JUST ABOVE BOUY 2, AT 24 FT
J17	37 04 12	76 36 30	LE-5	JAMES	LOWER JAMES	2080206	JUST ABOVE BOUY 18, AT 12 FT
J24	37 09 24	76 38 24	RET-5	JAMES	LOWER JAMES	2080206	ABOVE DEEP WATER SHOALS LIGHT,
J24	37 13 36	76 49 42	LE-5	JAMES	LOWER JAMES	2080206	ABOVE BOUY J45, AT 12 FT
J27	37 12 30	76 39 18	LE-5	JAMES	LOWER JAMES	2080206	OPPOSITE BOUY 26, AT 12 FT
J35	37 11 18	76 45 48	RET-5	JAMES	LOWER JAMES	2080206	INSIDE BOUY 54, AT 25 FT
P18	37 33 00	76 49 36	TF-4	YORK	PAMUNKEY	2080106	OFF ELTHAM MARSH BEND, AT 35 FT
P24	37 32 48	76 53 42	BFL	YORK	PAMUNKEY	2080106	.5 MILE BELOW WHITE OAK LANDING
P35	37 33 06	76 51 42	TF-4	YORK	PAMUNKEY	2080106	JUST ABOVE LEE MARSH, AT 12 FT
R02	37 35 54	76 21 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	OFF MOSQUITO POINT, AT 36 FT
R06	37 37 48	76 28 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	OPPOSITE CORROTOMAN RIVER, AT 6
R12	37 44 48	76 35 48	LE-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	ABOVE BOUY 9, AT 30 FT
R15	37 24 12	76 33 06	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	OPPOSITE ROUGE POINT, AT 24 FT
R18	37 50 48	76 44 54	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	OPPOSITE BOUY 19A, AT 25 FT
R24	37 58 36	76 52 12	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BELOW BOUY 36, AT 12 FT
R25	37 47 18	76 40 24	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	OPPOSITE BOUY 13, AT 18 FT
R35	37 54 30	76 48 30	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	BETWEEN BOUY 26, AT 12 FT
Y01	37 13 36	76 27 18	LE-4	YORK	YORK	2080107	OFF VEPCO OUTFALL, AT 35 FT
Y05	37 13 54	76 28 42	LE-4	YORK	YORK	2080107	ABOVE COAST GUARD PIER, AT 30 F
Y06	37 18 48	76 35 24	LE-4	YORK	YORK	2080107	AT PAGE'S ROCK, AT 18 FT
Y12	37 26 24	76 42 54	RET-4	YORK	YORK	2080107	ABOVE BOUY Y 14, AT 12 FT
Y15	37 23 24	76 39 24	LE-4	YORK	YORK	2080107	ABOVE BOUY 41, AT 24 FT
Y25	37 28 54	76 44 54	RET-4	YORK	YORK	2080107	AT BELL'S ROCK, AT 25 FT

VIRGINIA JUVENILE FINFISH SURVEY STATIONS


N
MD
VA
Rappahannock
R24
R35
R18
R25
R12
R06
R02
R15
Richmond
P35
P18
P24
York
Y25
Y12
Y15
Y06
Y05
Y01
J24
J35
J27
J24
James
J17
J13
J01
J05
SCALE 1:971,650
0
10
20
30
MILES

VIRGINIA JUVENILE STRIPED BASS SURVEY

PROGRAM DESCRIPTION: The Virginia Juvenile Striped Bass Survey consists of beach seine sampling conducted four times a year from mid-July to September, at 18 fixed stations in the James, York and Rappahannock Rivers.

PROGRAM OBJECTIVE: To monitor year class strength of striped bass.

DATE INITIATED: 1967, with no sampling between 1974 and 1979.

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Science
Division of Biological and Fisheries Science
Gloucester Point, Virginia 23062

FUNDING AGENCIES: U.S. Fish and Wildlife Service

PARTICIPATING AGENCY: Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	James Colvocoresses	VIMS

PARAMETERS:

Wind Direction
Wind Speed
Tide

Water Column:
Temperature
Salinity

Species Count
Species Length

Striped Bass:
Count
Length

STATIONS: There are 18 stations located in Virginia's tributaries; six in the James River system, seven in the York River system and five in the Rappahannock.

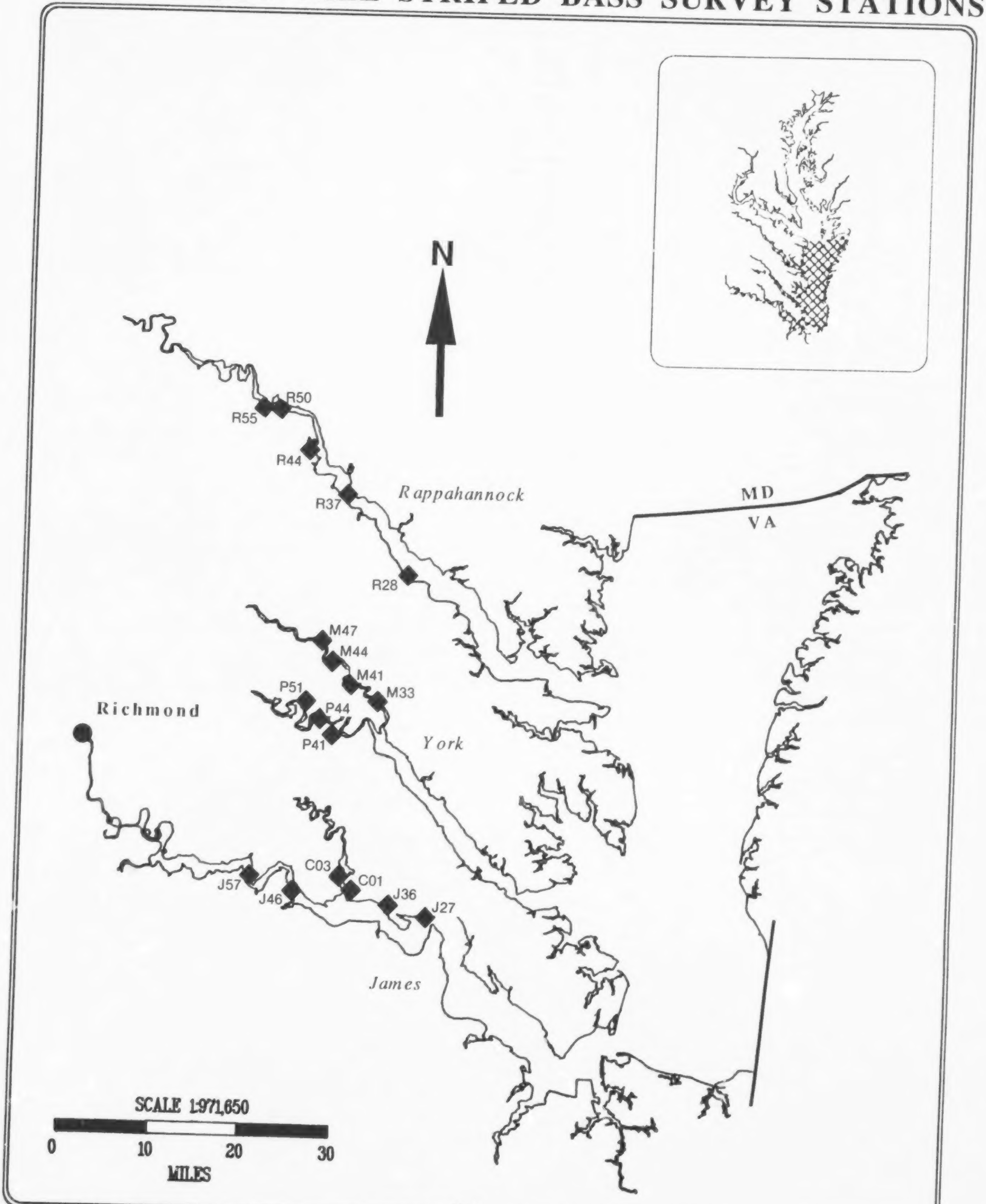
SAMPLE COLLECTION: Each station is sampled every two weeks from mid-July to September. Two replicate beach seine hauls are performed at 30 minute intervals with a 100 x 4 foot, 1/4 inch bar mesh net.

PROGRAM INTEGRATION: This program works in conjunction with the Maryland Department of Natural Resources' Juvenile Striped Bass Survey.

VIRGINIA JUVENILE STRIPED BASS SURVEY STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
C01	37 16 00	76 52 00	BFL	JAMES	LOWER JAMES	2080206	100 YARDS BELOW ROUTE 5 BRIDGE
C03	37 17 00	76 53 00	RET-5	JAMES	LOWER JAMES	2080206	AT BLANK POINT
J27	37 13 00	76 42 00	LE-5	JAMES	LOWER JAMES	2080206	.5 MILE ABOVE MOUTH OF COLLEGE
J36	37 14 00	76 47 00	BFL	JAMES	LOWER JAMES	2080206	4-H CAMP ABOVE JAMESTOWN-SURRY
J46	37 16 00	76 59 00	TF-5	JAMES	LOWER JAMES	2080206	UPRIVER OF BRANDON POINT
J57	37 17 00	77 06 00	BFL	JAMES	LOWER JAMES	2080206	UPRIVER OF WINDMILL POINT
M33	37 35 00	76 47 00	BFL	YORK	MATTAPONI	2080105	200 YARDS BELOW WATERFENCE LAND
M41	37 37 00	76 51 00	BFL	YORK	MATTAPONI	2080105	100 YARDS BELOW MELROSE LANDING
M44	37 39 00	76 54 00	BFL	YORK	MATTAPONI	2080105	200 YARDS ABOVE WAKEMA
M47	37 41 00	76 55 00	TF-4	YORK	PAMUNKEY	2080106	NORTH END OF MANTAPIKE
P41	37 32 00	76 54 00	BFL	YORK	PAMUNKEY	2080106	.5 MILE BELOW WHITE OAK LANDING
P44	37 33 00	76 55 00	BFL	YORK	PAMUNKEY	2080106	1.5 MILES ABOVE SWEET HALL LAND
P51	37 35 00	76 57 00	BFL	YORK	PAMUNKEY	2080106	AT RIVERVIEW LANDING
R28	37 48 00	76 44 00	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NORTH END OF WILDWOOD BEACH
R37	37 56 00	76 51 00	RET-3	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NORTH END OF TAPPAHANNOCK
R44	38 01 00	76 56 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	100 YARDS BELOW DANGERFIELD LAN
R50	38 05 00	77 00 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	IMMEDIATELY BELOW LAYTON
R55	38 05 00	77 02 00	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	AT SAUNDER'S WHARF

VIRGINIA JUVENILE STRIPED BASS SURVEY STATIONS


N
R55
R50
R44
R37
Rappahannock
R28
MD
VA
M47
M44
M41
M33
P51
P44
P41
Richmond
York
C03
C01
J57
J46
J36
J27
James
SCALE 1:971,650
0
10
20
30
MILES

VIRGINIA JUVENILE ALOSINE SURVEY

PROGRAM DESCRIPTION: The Virginia Juvenile Alosine Survey monitors the abundance and size of alosines in the Mattaponi and Pamunkey Rivers through weekly push net surveys in June and July of each year.

PROGRAM OBJECTIVE: To monitor year class strength of alosines.

DATE INITIATED: 1967

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Sciences
Division of Biological and Fisheries Science
Gloucester Point, Virginia 23062

FUNDING AGENCIES:

U.S. Fish and Wildlife Service
National Oceanic and Atmospheric Administration

PARTICIPATING AGENCY:

Virginia Institute of Marine Sciences (VIMS)

INVESTIGATORS:

Principal Investigator	Joseph Loesch	VIMS

PARAMETERS:

Water Column:
Temperature
Dissolved Oxygen
Salinity

Fish Count

Fish Length

Species:
Shad
River Herrings

STATIONS: Surveys are performed in the Mattaponi and Pamunkey rivers.

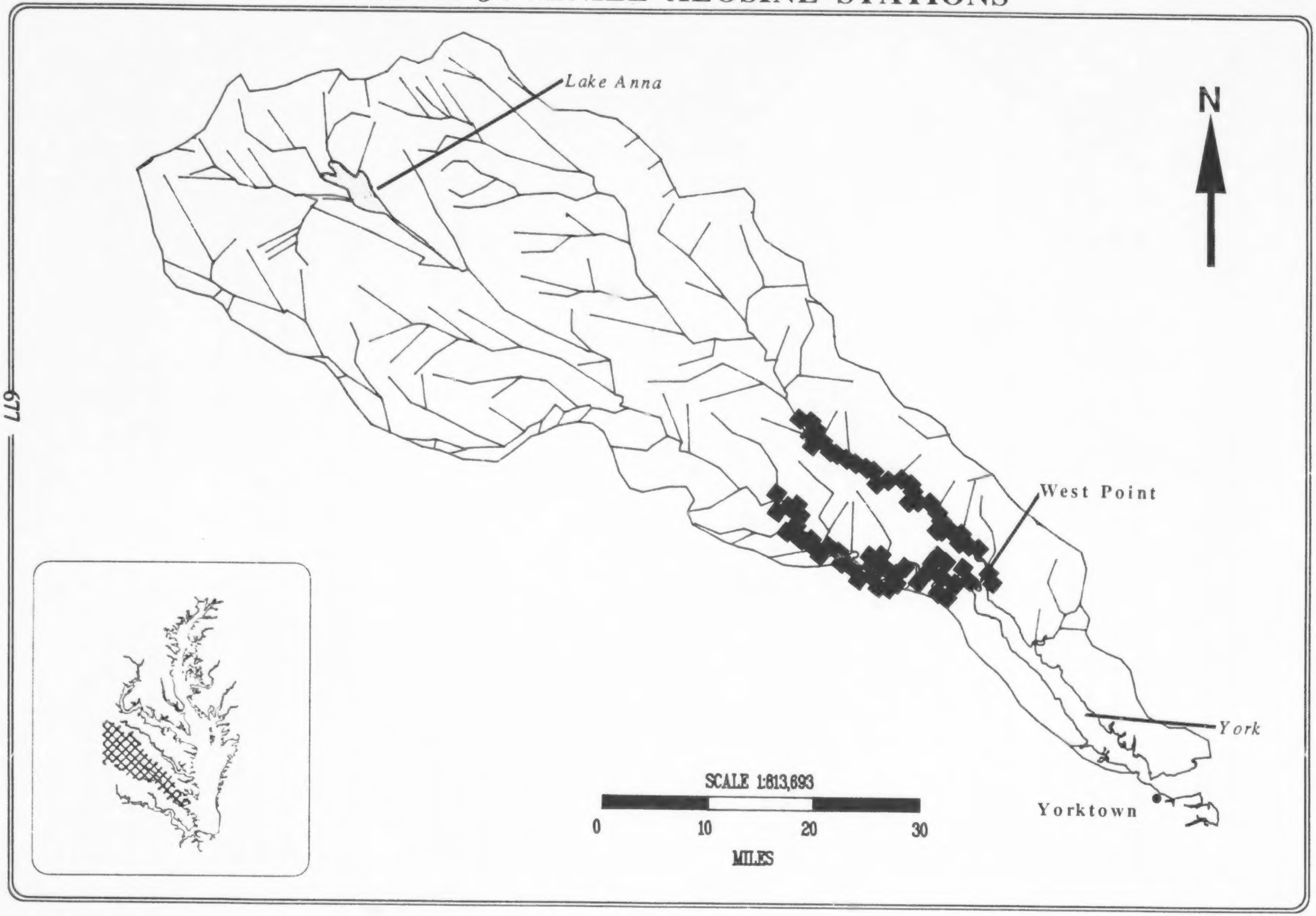
SAMPLE COLLECTION: A weekly survey is conducted at night in each the Mattaponi and Pamunkey Rivers in June and July of each year. These surveys are performed with a 5 x 5 foot framed push net. Water quality measurements are taken at the surface of the water column.

PROGRAM INTEGRATION: N/A

VIRGINIA JUVENILE ALOSINE STATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1-5MP030	37 32 42	76 46 48	RET-4	YORK	YORK	2080107	
1-5MP031	37 33 18	76 46 48	RET-4	YORK	YORK	2080107	
1-5MP032	37 34 48	76 47 42	TF-4	YORK	PAMUNKEY	2080106	
1-5MP033	37 35 06	76 47 36	TF-4	YORK	PAMUNKEY	2080106	
1-5MP034	37 35 18	76 48 36	TF-4	YORK	PAMUNKEY	2080106	
1-5MP035	37 35 42	76 49 36	TF-4	YORK	PAMUNKEY	2080106	
1-5MP036	37 36 18	76 49 00	TF-4	YORK	PAMUNKEY	2080106	
1-5MP037	37 36 36	76 50 06	TF-4	YORK	PAMUNKEY	2080106	
1-5MP038	37 36 48	76 50 54	BFL	YORK	MATTAPONI	2080105	
1-5MP039	37 37 00	76 52 06	TF-4	YORK	PAMUNKEY	2080106	
1-5MP040	37 37 36	76 51 24	BFL	YORK	MATTAPONI	2080105	
1-5MP041	37 38 24	76 51 42	TF-4	YORK	PAMUNKEY	2080106	
1-5MP042	37 39 12	76 52 30	TF-4	YORK	PAMUNKEY	2080106	
1-5MP043	37 39 12	76 53 36	BFL	YORK	MATTAPONI	2080105	
1-5MP044	37 39 24	76 54 48	TF-4	YORK	PAMUNKEY	2080106	
1-5MP045	37 40 24	76 54 18	TF-4	YORK	PAMUNKEY	2080106	
1-5MP046	37 41 18	76 54 54	TF-4	YORK	PAMUNKEY	2080106	
1-5MP047	37 41 24	76 55 30	BFL	YORK	MATTAPONI	2080105	
1-5MP048	37 41 24	76 56 48	TF-4	YORK	PAMUNKEY	2080106	
1-5MP049	37 41 24	76 58 06	TF-4	YORK	PAMUNKEY	2080106	
1-5MP050	37 42 12	76 58 30	TF-4	YORK	PAMUNKEY	2080106	
1-5MP051	37 42 24	76 59 24	TF-4	YORK	PAMUNKEY	2080106	
1-5MP052	37 42 48	77 00 30	TF-4	YORK	PAMUNKEY	2080106	
1-5MP053	37 43 18	77 01 18	TF-4	YORK	PAMUNKEY	2080106	
1-5MP054	37 43 42	77 02 18	TF-4	YORK	PAMUNKEY	2080106	
1-5MP055	37 44 12	77 03 06	TF-4	YORK	PAMUNKEY	2080106	
1-5MP056	37 45 00	77 03 48	TF-4	YORK	PAMUNKEY	2080106	
1-5MP057	37 44 48	77 05 00	BFL	YORK	MATTAPONI	2080105	
1-5MP058	37 45 36	77 05 06	BFL	YORK	MATTAPONI	2080105	
1-5MP059	37 46 12	77 04 30	BFL	YORK	MATTAPONI	2080105	
1-5MP060	37 46 48	77 04 54	BFL	YORK	MATTAPONI	2080105	
1-5MP061	37 47 06	77 06 00	BFL	YORK	MATTAPONI	2080105	
1-5PM030	37 32 30	76 48 42	RET-4	YORK	YORK	2080107	
1-5PM031	37 33 54	76 49 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM032	37 32 12	76 50 12	TF-4	YORK	PAMUNKEY	2080106	
1-5PM033	37 31 24	76 51 12	BFL	YORK	PAMUNKEY	2080106	
1-5PM034	37 31 36	76 52 18	TF-4	YORK	PAMUNKEY	2080106	
1-5PM035	37 32 24	76 52 18	TF-4	YORK	PAMUNKEY	2080106	
1-5PM036	37 33 12	76 51 36	TF-4	YORK	PAMUNKEY	2080106	
1-5PM037	37 34 12	76 51 12	TF-4	YORK	PAMUNKEY	2080106	
1-5PM038	37 34 48	76 51 54	TF-4	YORK	PAMUNKEY	2080106	
1-5PM039	37 34 18	76 52 54	TF-4	YORK	PAMUNKEY	2080106	
1-5PM040	37 33 54	76 52 24	BFL	YORK	PAMUNKEY	2080106	
1-5PM041	37 33 30	76 53 18	BFL	YORK	PAMUNKEY	2080106	
1-5PM042	37 33 00	76 54 18	TF-4	YORK	PAMUNKEY	2080106	
1-5PM043	37 34 00	76 54 18	TF-4	YORK	PAMUNKEY	2080106	
1-5PM044	37 34 00	76 55 30	TF-4	YORK	PAMUNKEY	2080106	
1-5PM045	37 33 24	76 56 30	TF-4	YORK	PAMUNKEY	2080106	
1-5PM046	37 32 30	76 56 30	TF-4	YORK	PAMUNKEY	2080106	
1-5PM047	37 32 12	76 57 30	TF-4	YORK	PAMUNKEY	2080106	
1-5PM048	37 32 42	76 58 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM049	37 33 12	76 57 30	TF-4	YORK	PAMUNKEY	2080106	
1-5PM050	37 34 06	76 57 12	BFL	YORK	PAMUNKEY	2080106	
1-5PM051	37 35 00	76 57 54	BFL	YORK	PAMUNKEY	2080106	
1-5PM052	37 35 00	76 59 06	BFL	YORK	PAMUNKEY	2080106	
1-5PM053	37 34 24	76 59 12	TF-4	YORK	PAMUNKEY	2080106	
1-5PM054	37 33 42	76 59 24	TF-4	YORK	PAMUNKEY	2080106	
1-5PM055	37 33 06	77 00 42	BFL	YORK	PAMUNKEY	2080106	
1-5PM056	37 34 30	77 01 36	TF-4	YORK	PAMUNKEY	2080106	
1-5PM057	37 35 06	77 02 42	BFL	YORK	PAMUNKEY	2080106	
1-5PM058	37 35 36	77 02 42	TF-4	YORK	PAMUNKEY	2080106	
1-5PM059	37 36 06	77 03 48	TF-4	YORK	PAMUNKEY	2080106	
1-5PM060	37 35 48	77 04 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM061	37 36 24	77 05 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM062	37 37 00	77 05 48	BFL	YORK	PAMUNKEY	2080106	
1-5PM063	37 37 24	77 06 42	BFL	YORK	PAMUNKEY	2080106	
1-5PM064	37 37 54	77 07 42	BFL	YORK	PAMUNKEY	2080106	
1-5PM065	37 38 12	77 06 48	BFL	YORK	PAMUNKEY	2080106	
1-5PM066	37 39 06	77 06 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM067	37 39 48	77 06 48	BFL	YORK	PAMUNKEY	2080106	
1-5PM068	37 39 48	77 08 06	BFL	YORK	PAMUNKEY	2080106	
1-5PM069	37 40 24	77 08 36	BFL	YORK	PAMUNKEY	2080106	
1-5PM070	37 39 48	77 09 00	BFL	YORK	PAMUNKEY	2080106	

VIRGINIA JUVENILE ALOSINE STATIONS


Lake Anna
N
West Point
York
Yorktown
SCALE 1:813,693
0
10
20
30
MILES

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Back Creek Stream Improvement Project - Finfish Component is conducted annually in the spring and fall at three stations located both upstream of the Station's lower reservoir and downstream in the company's stream improvement area. Finfish monitoring is conducted concommittantly with benthic macroinvertebrate monitoring in this program.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the potential of the Back Creek Stream Improvement Area.

DATE INITIATED: 1988

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Water Column:	*Finfish:*
Temperature	Taxa Identification
Dissolved Oxygen	Taxa Abundance
pH	

STATIONS: There are three stations located both upstream of the station's lower reservoir and downstream in the company's stream improvement area.

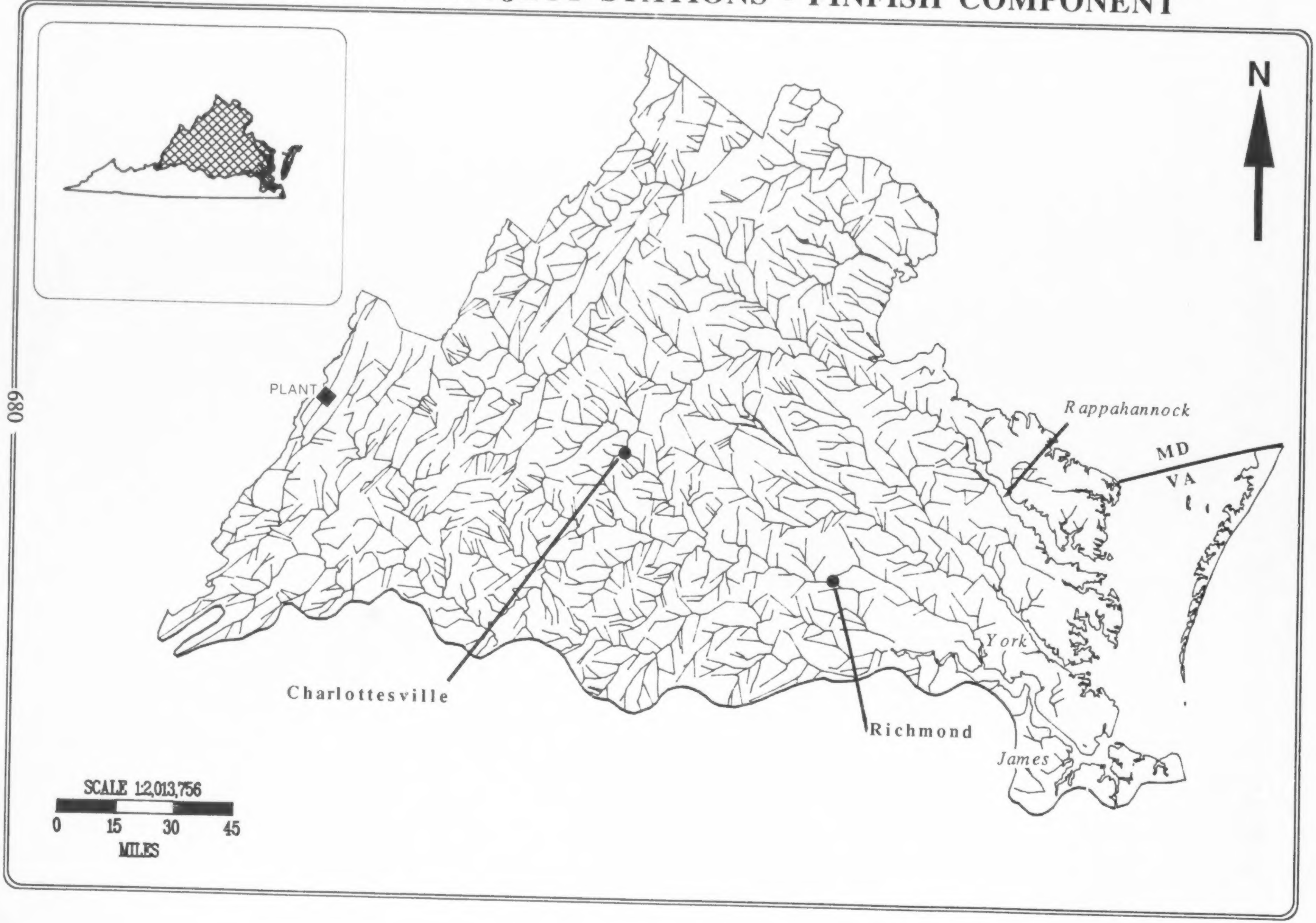
SAMPLE COLLECTION: Finfish are collected annually in the spring and fall at three stations. Qualitative electrofishing samples are taken at designated riffle areas for assessment of community structure and forage base. Qualitative sampling to assess the relative abundance and condition of important game species is also conducted. Finfish samples are taken at the same time as benthic macroinvertebrate samples.

PROGRAM INTEGRATION: The Bath County Pumped Storage Station Back Creek Stream Improvement Project - Finfish Component is one of two benthic surveys conducted at the Bath County Pumped Storage Station, as well as one of two components of the Back Creek Stream Improvement Project's biological survey.

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION BACK CREEK STREAM IMPROVEMENT PROJECT STATIONS - FINFISH COMPONENT


N
PLANT
Rappahannock
MD
VA
York
James
Charlottesville
Richmond
SCALE 1:2,013,756
0
15
30
45
MILES

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Little Back Creek Stream Survey - Finfish Component is conducted as part of a joint stream survey of the Creek located immediately downstream of the Bath County Pumped Storage Station's upper reservoir. Monitoring is conducted annually at six stations. Finfish monitoring is one component of this program which also involves water quality and benthic invertebrate monitoring.

PROGRAM OBJECTIVE: To monitor the effects, if any, of construction and subsequent operation of the Bath County Pumped Storage Station on the fishery of Little Back Creek.

DATE INITIATED: 1979

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries
Virginia State Water Control Board
U.S. Forest Service

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)
Virginia State Water Control Board (VWCB)
U.S. Forest Service (USFS)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Taxa Identification
Taxa Abundance
Length

STATIONS: There are six stations, five 100 m and one 25 m station, in Little Back Creek in the vicinity of the Bath County Pumped Storage Station.

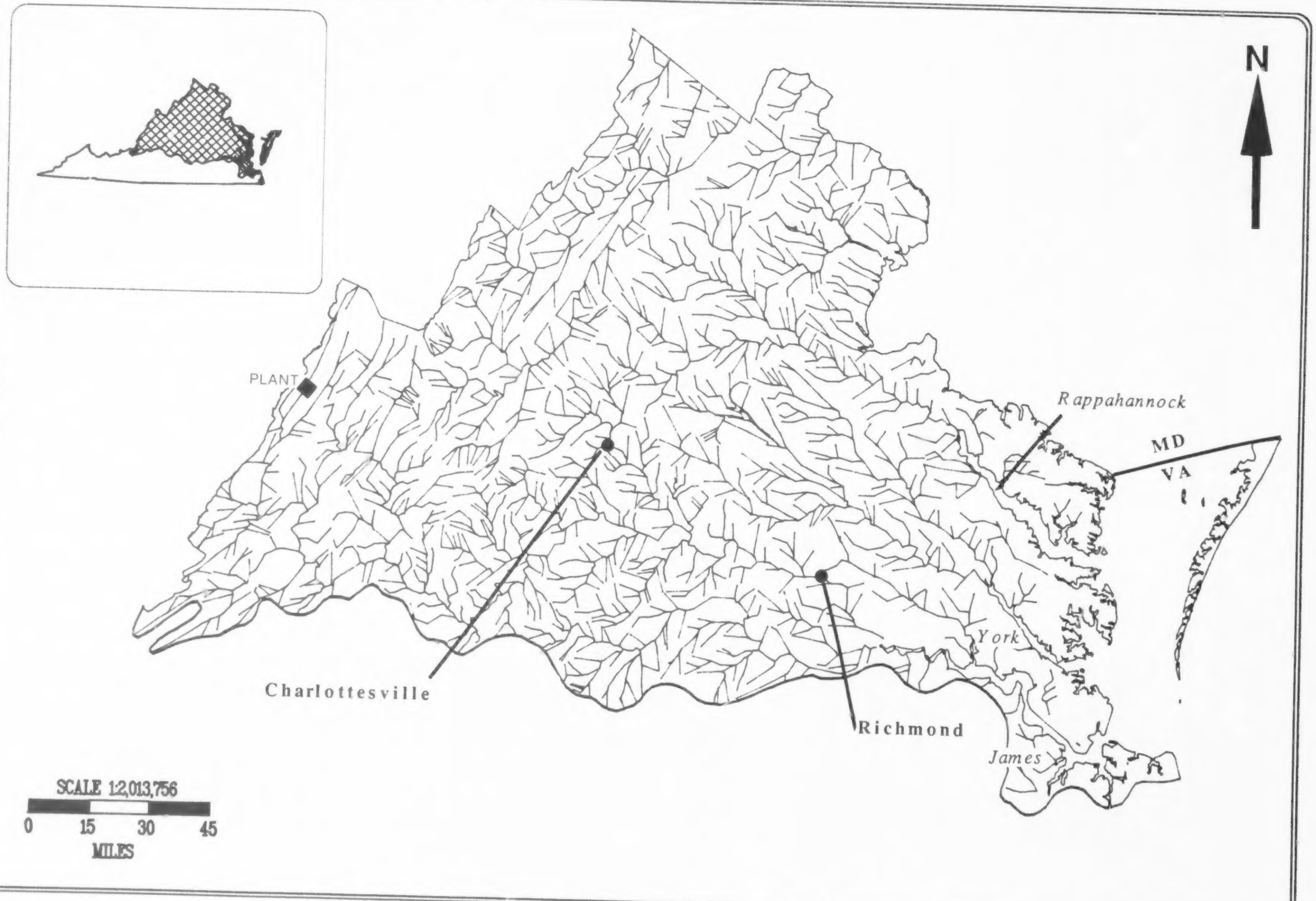
SAMPLE COLLECTION: Fish are collected annually in the summer at six stations using an electric seine powered by a Smith-Root Model 2.5 - GPP Electrofisher. Brook trout are measured (total length) and released in the field. The remaining fish are preserved and returned to the laboratory for subsequent identification, enumeration and measurement. Fish samples are taken at the same time as benthic macroinvertebrate and water quality samples.

PROGRAM INTEGRATION: The Bath County Pumped Storage Station Little Back Creek Stream Survey - Finfish Component is one of three finfish surveys conducted at the Bath County Pumped Storage Station, as part of a joint stream survey which also involves water quality and benthic invertebrate monitoring.

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION LITTLE BACK CREEK STREAM SURVEY STATIONS - FINFISH COMPONENT


N
PLANT
Charlottesville
Richmond
Rappahannock
York
James
MD
VA
SCALE 1:2,013,756
0
15
30
45
MILES

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING PROGRAM - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Bath County Pumped Storage Station Recreation Pond Monitoring Program - Finfish Component is conducted in two ponds created as part of mitigation efforts outlined in the Station's 401 Certificate. The recreation ponds draw water from and discharge back into Back Creek downstream of the Pumped Storage Station's lower reservoir. Monitoring is conducted at four stations, two stations in each pond. Finfish monitoring is one component of this program which also involves water quality, phytoplankton, zooplankton and benthic invertebrate monitoring.

PROGRAM OBJECTIVE: To determine fishing regulations and stocking procedures in order to maximize the fishery potential of the recreation ponds.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Finfish Identification
Population Density
Age and Growth
Condition

STATIONS: There are four stations - two each in the two recreation ponds near the Bath County Pumped Storage Station.

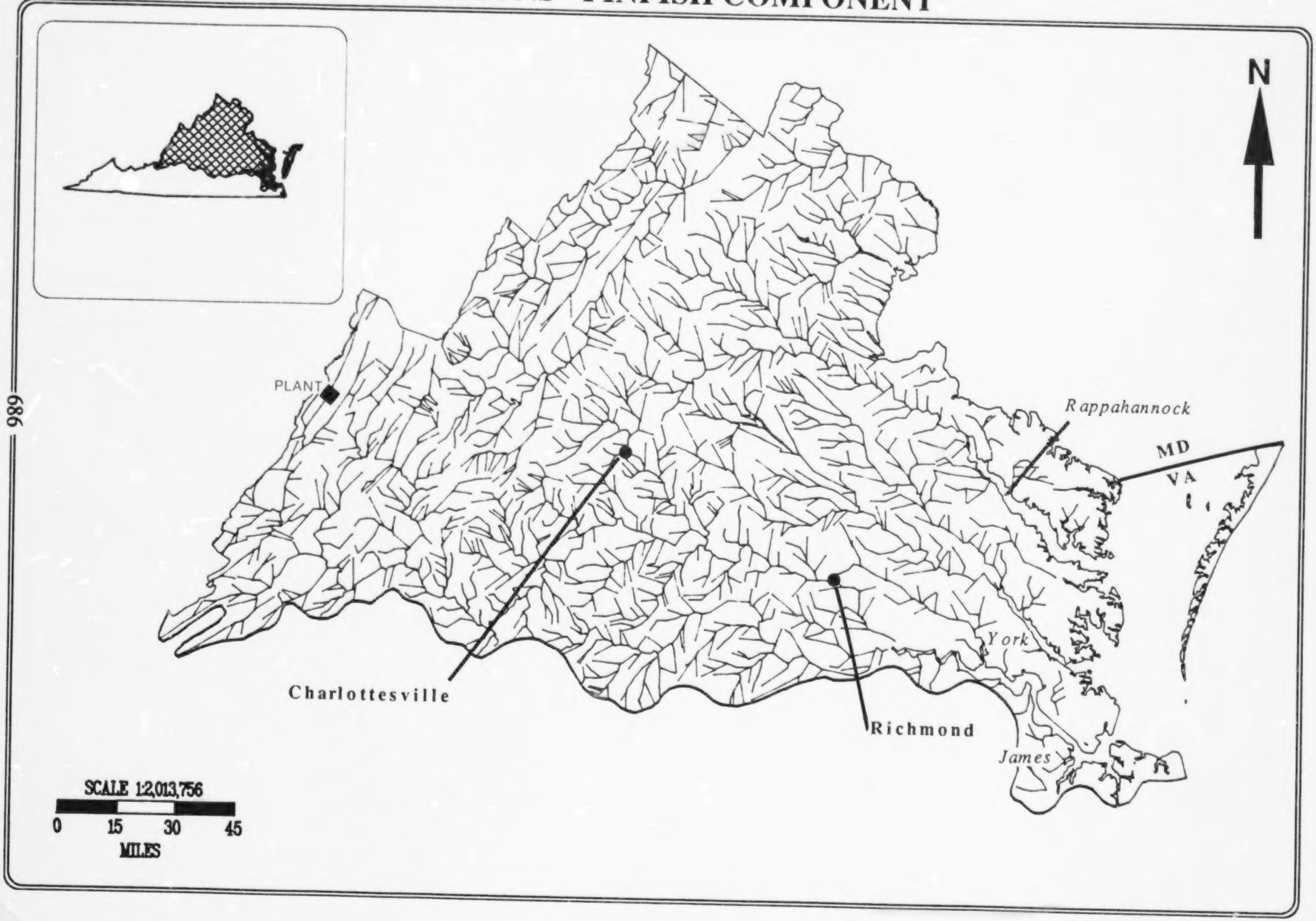
SAMPLE COLLECTION: Monitoring is conducted semi-annually at two stations in each pond (four stations altogether). Adult finfish are collected by boat electrofishing. While preliminary surveys have been primarily qualitative in nature to assess stocking needs, quantitative methods (catch per unit effort) will be implemented to determine relative abundance.

PROGRAM INTEGRATION: Finfish monitoring is one component of this program which also involves water quality, phytoplankton, zooplankton and benthic invertebrate monitoring.

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
PLANT	38 12 30	79 48 00	AFL	JAMES	UPPER JAMES	2080201	BATH COUNTY PUMPED STORAGE STAT

BATH COUNTY PUMPED STORAGE STATION RECREATION POND MONITORING STATIONS - FINFISH COMPONENT


N
PLANT
Charlottesville
Richmond
Rappahannock
MD
VA
York
James
SCALE 1:2,013,756
0
15
30
45
MILES

LAKE ANNA POWER STATION MONITORING PROGRAM - FINFISH COMPONENT

PROGRAM DESCRIPTION: The Lake Anna Power Station Monitoring Program - Finfish Component is conducted routinely on a quarterly basis at 15 stations or gillnetting regions. Electrofishing surveys are also conducted in the North Anna River downstream of Lake Anna.

PROGRAM OBJECTIVE: To monitor the ecosystem to confirm the absence of harmful effects of station operation, and to assist the Virginia Department of Game and Inland Fisheries in developing and supporting lake management programs.

DATE INITIATED: 1986

COORDINATING AGENCY:

Virginia Power
5000 Dominion Boulevard
Glen Allen, Virginia 23060

FUNDING AGENCIES:

Virginia Power
Virginia Department of Game and Inland Fisheries

PARTICIPATING AGENCIES:

Virginia Power (VP)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Program Manager	Burton M. Marshall	VP

PARAMETERS:

Age
Growth

Taxa Abundance
Taxa Distribution

STATIONS: There are six gill net and nine electrofish stations located on Lake Anna.

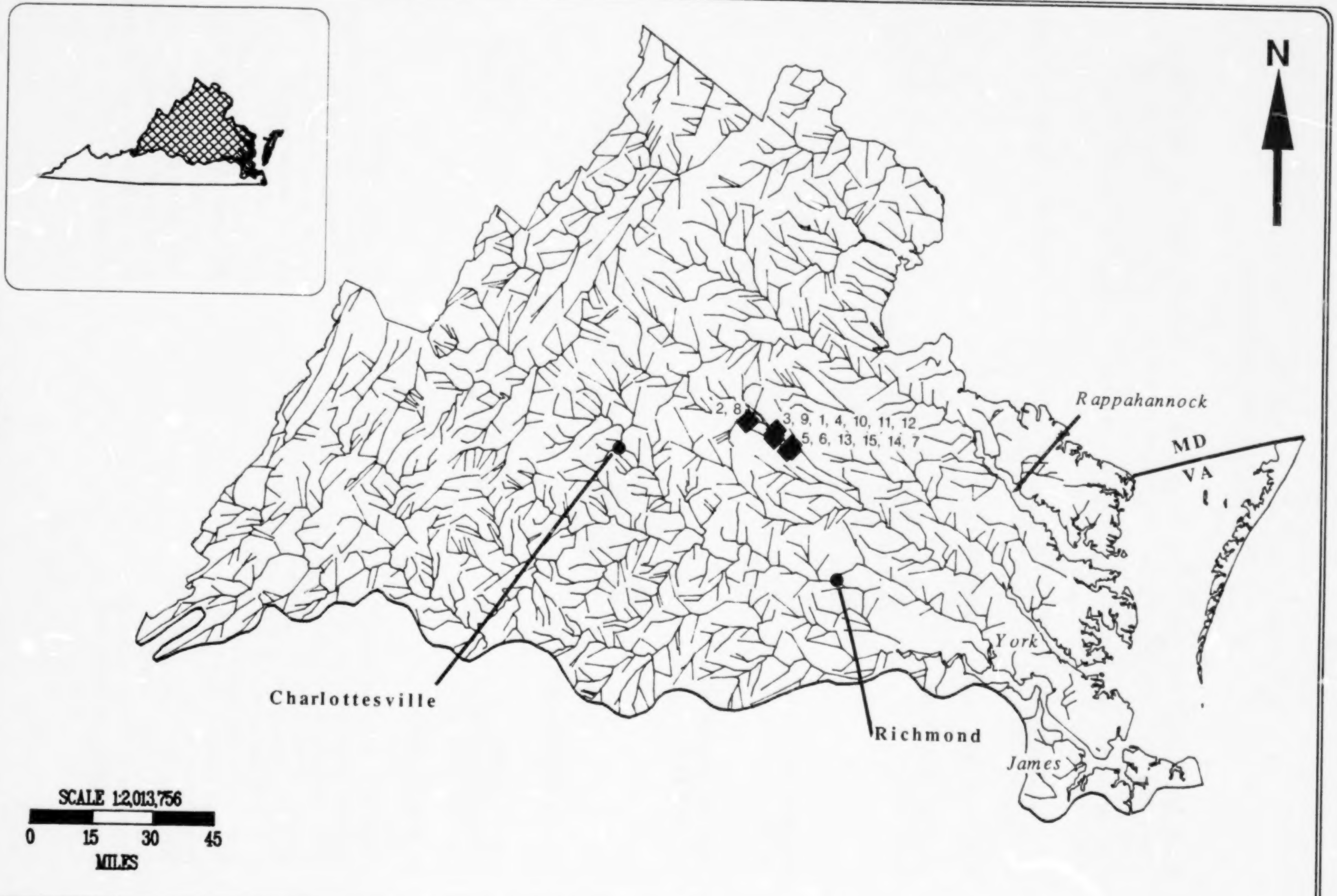
SAMPLE COLLECTION: Adult fish are collected quarterly by gill netting and electrofishing for population estimates and life history studies of selected species on a quarterly basis. Temperature and electrofishing surveys are also conducted in the North Anna River downstream of Lake Anna.

PROGRAM INTEGRATION: The Lake Anna Power Station Monitoring Program - Finfish Component is part of a survey which also involves phytoplankton monitoring.

LAKE ANNA POWER STATION MONITORING STATIONS - FINFISH COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	38 06 34	77 54 15	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - N. ANNA ARM
10	38 03 04	77 46 37	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE1
11	38 02 49	77 46 40	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE1
12	38 00 46	77 43 55	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE3
13	38 00 28	77 43 39	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE3
14	38 00 09	77 44 09	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE3
2	38 04 05	77 46 57	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - MIDLAKE
3	38 02 59	77 46 59	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - DIKE1
4	38 01 52	77 43 36	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - LEVY CREEK
5	38 00 54	77 43 45	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - LOWER LAKE
6	38 00 04	77 44 05	AFL	YORK	PAMUNKEY	2080106	GILL NET STATION - DIKE3
7	38 06 38	77 54 21	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - N. ANNA A
8	38 04 02	77 46 05	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - THURMAN I
9	38 02 56	77 47 12	AFL	YORK	PAMUNKEY	2080106	ELECTROFISH STATION - DIKE1
PLANT	38 03 30	77 47 30	AFL	YORK	PAMUNKEY	2080106	NORTH ANNA POWER STATION

LAKE ANNA POWER STATION MONITORING STATIONS - FINFISH COMPONENT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Rappahannock
MD
VA
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Charlottesville
Richmond
York
James
SCALE 1:2,013,756
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MILES

ANNUAL CHESAPEAKE BAY MIDWINTER WATERFOWL SURVEY

PROGRAM DESCRIPTION: The Annual Chesapeake Bay Midwinter Waterfowl Survey covers the entire Chesapeake Bay including the upper reaches of many tributaries. It is conducted every year in mid-January by experienced observers in a single engine airplane who visually estimate numbers of waterfowl by species. This program is part of a national midwinter waterfowl survey.

PROGRAM OBJECTIVES: To provide data on current status and short and long-term trends of migratory and other waterfowl in the Chesapeake Bay.

DATE INITIATED: January 1948

COORDINATING AGENCY:

U.S. Fish and Wildlife Service
Office of Migratory Bird Management
Patuxent Wildlife Research Center
Laurel, Maryland 20708

FUNDING AGENCY:

U.S. Fish and Wildlife Service,
Office of Migratory Bird Management

PARTICIPATING AGENCIES:

U.S. Fish and Wildlife Service,
Chesapeake Bay Estuary Program (CBEP)
Maryland Department of Natural Resources (MDDNR)
Virginia Department of Game and Inland Fisheries (VDGIF)
Pennsylvania Department of the Environment (PADER)

INVESTIGATORS:

Pilot-in-charge	Jim Goldsberry	OMBM
Principal Investigator	Larry Hindman	MDDNR
Principal Investigator	Fairfax Settle	VDGIF

PARAMETERS:

Waterfowl species including:
Mallard (*Anas platyrhyncos*)
Black duck (*Anas rubripes*)
Gadwall (*Anas strepera*)
Widgeon (*Anas americana*)
G-W Teal (*Anas crecca*)
B-W Teal (*Anas discors*)
Shoveler (*Anas clypeata*)
Pintail (*Anas acuta*)
Wood duck (*Aix sponsa*)
Redhead (*Aythya americana*)
Canvasback (*Aythya valisineria*)
Scaup (*Aythya marila/affinis*)
Ringneck (*Aythya collaris*)
Goldeneye (*Bucephala clangula*)
Bufflehead (*Bucephala albeola*)
Ruddy duck (*Oxyura jamaicensis*)
Eider (*Somateria spp.*)
Scoter (*Melanitta spp.*)
Oldsquaw (*Clangula hyemalis*)
Merganser (*Mergus spp./Lophodytes cucullatus*)
Brant goose (*Branta bernicula*)
Snow goose (*Chen caerulescens*)
White fr. goose (*Anser albifrons*)
Canada goose (*Branta canadensis*)

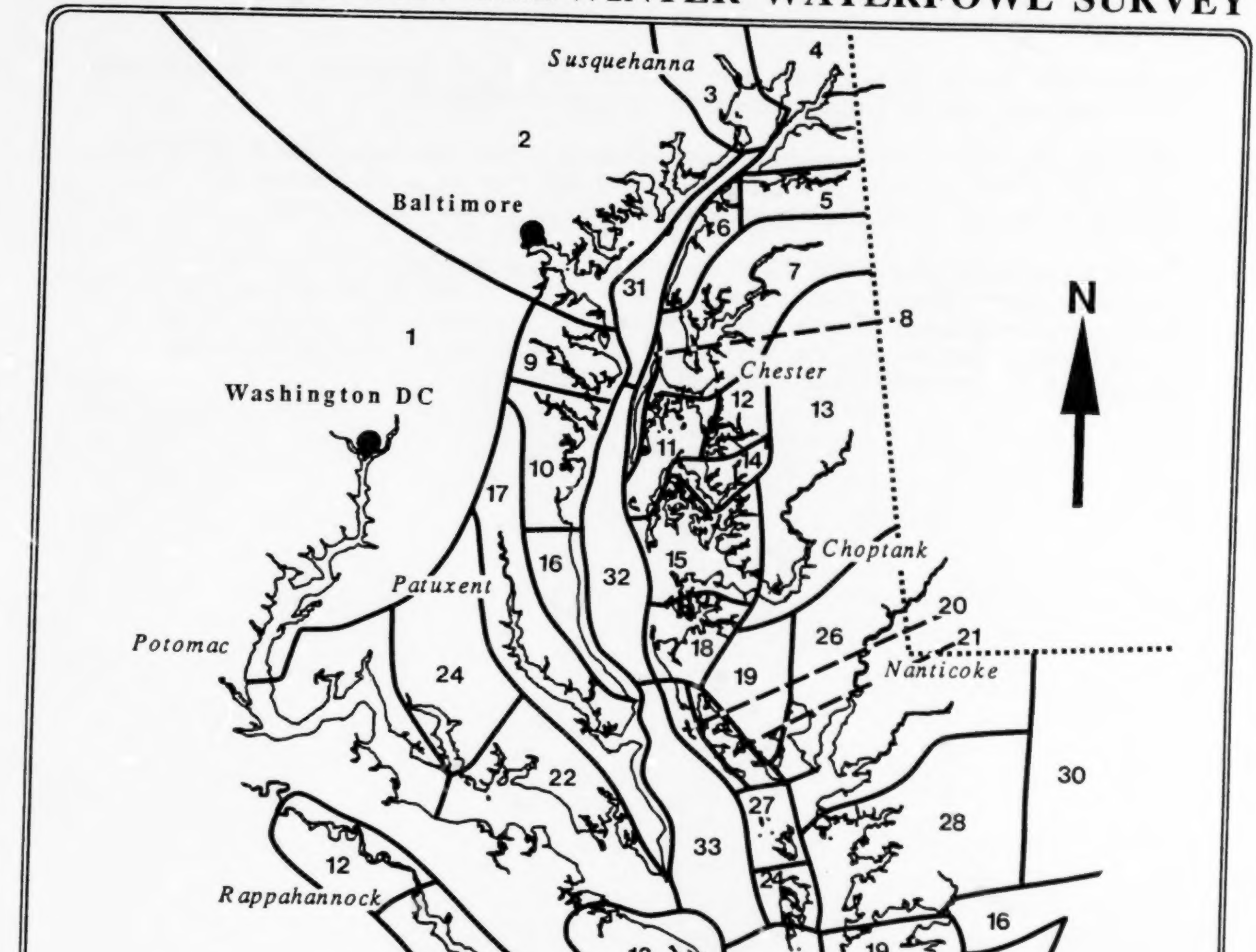
Whistling swan (*Cygnus columbianus*)
Mute swan (*Cygnus alor*)
Coot (*Fulica americana*)

STATIONS: The survey is performed by segments. The Maryland portion of the Bay is divided into 33 segments, and the Virginia portion is divided into 20 segments.

PROTOCOL: The survey is conducted each winter for about a two-week period in mid-January. It is performed in a single engine airplane at 150 m altitude, paralleling shorelines of segments at 100-500 m seaward. A minimal amount of driving may also be done in the survey.

PROGRAM INTEGRATION: These data are used to assist in analysis of waterfowl population trends within the Atlantic flyway, to assess habitat availability and are related to breeding results in more northern regions of North America. Presently, they are also used as rough descriptive data to "correlate" with other data from other Chesapeake Bay monitoring programs, such as the presence or absence of SAV beds.

CHESAPEAKE BAY MIDWINTER WATERFOWL SURVEY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Chester
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Washington DC
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15
Choptank
Patuxent
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Potomac
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Nanticoke
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Norfolk
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MILES

COORDINATED NOVEMBER CANVASBACK SURVEY

PROGRAM DESCRIPTION: The Coordinated November Canvasback Survey covers regions of the Chesapeake Bay where migratory canvasback populations tend to congregate. It is conducted every November by experienced observers using low flying aircraft. The survey is part of a national program.

PROGRAM OBJECTIVES: To provide data for estimating the size and distribution of the eastern continental population of canvasbacks.

DATE INITIATED: 1974

COORDINATING AGENCY:

U.S. Fish and Wildlife Service
Office of Migratory Bird Management
Patuxent Wildlife Research Center
Laurel, Maryland 20708

FUNDING AGENCY:

U.S. Fish and Wildlife Service
Office of Migratory Bird Management

PARTICIPATING AGENCIES:

U.S. Fish and Wildlife Service,
Office of Migratory Bird Management (OMBM)
Maryland Department of Natural Resources (MDNR)
Virginia Department of Game and Inland Fisheries (VDGIF)

INVESTIGATORS:

Pilot-in-Charge	Jim Goldsberry	OMBM
Principal Investigator	Larry Hindman	MDDNR
Principal Investigator	Fairfax Settle	VDGIF

PARAMETERS:

Canvasback Abundance

STATIONS: The survey aerial overflights are concentrated over the regions of the Chesapeake Bay where canvasbacks are known to concentrate during the fall migration period.

PROTOCOL: The survey is conducted every November. It is performed in a single engine airplane at 100-150 feet altitude, paralleling the shore lines.

PROGRAM INTEGRATION: The survey is part of a national survey covering 14 states and one Canadian province.

ANNUAL GREATER SNOW GOOSE PHOTO INVENTORY

PROGRAM DESCRIPTION: The Annual Greater Snow Goose Photo Inventory is conducted by the U.S. Fish and Wildlife Service every other year and by the Canadian Wildlife Service on alternate years. An inventory is taken every year in mid- to late March by experienced personnel in a single engine airplane. All known flocks of Greater Snow Geese are photographed. The survey covers portions of the Chesapeake Bay where flocks are found. Outside of the Chesapeake Bay, the survey covers portions of the Delaware Bay and other areas in New Jersey. These data are used to assist in the analysis of Greater Snow Goose breeding populations returning to breeding grounds and, in conjunction with breeding ground conditions, allows professionals to project annual production and numbers of returning geese the following winter.

PROGRAM OBJECTIVE: To provide data on current status and trends of snow goose breeding populations in the Atlantic Flyway.

DATE INITIATED: 1981

COORDINATING AGENCY:

U.S. Fish and Wildlife Service
Office of Migratory Bird Management
Patuxent Wildlife Research Center
Laurel, Maryland 20708

FUNDING AGENCY:

U.S. Fish and Wildlife Service,
Office of Migratory Bird Management

PARTICIPATING AGENCIES:

U.S. Fish and Wildlife Service,
Office of Migratory Bird Management (OMBM)
New Jersey Fish, Game and Wildlife (NJFGW)
Canadian Wildlife Service (CWS)

INVESTIGATORS:

Pilot-in Charge	Jim Goldsberry	OMBM
Principal Investigator	Fred Ferrigno	NJFGW

PARAMETERS:

Sky and Atmospheric Conditions
Wind Speed
All Geese

STATIONS: Due to normal flock movements and dispersal, locations may change from one year to the next, but generally photographs are taken in both the Chesapeake and Delaware Bays.

PROTOCOL: The photography survey is conducted each year, generally between March 10 and 25. The actual date of photography is timed to take advantage of large flock sizes prior to migration back north. The work is performed from a single engine airplane at 1,000-1,500 feet in altitude.

PROGRAM INTEGRATION: Outside of the Chesapeake Bay, the survey covers portions of the Delaware Bay and other areas in New Jersey. Should northern migration occur before photographs of staging geese have been taken, the Canadian Wildlife Service will then take photographs of the same populations in the St. Lawrence River area.

NATIONAL AUDUBON SOCIETY CHRISTMAS BIRD COUNT

PROGRAM DESCRIPTION: The National Audubon Society Christmas Bird Count is conducted annually for a three week period in late December and early January. It is conducted by volunteers from the National Audubon Society and various bird clubs throughout the Bay basin (as well as throughout the nation and other parts of the world). These counts have been conducted since 1900. Some previous count areas have been discontinued while others have commenced more recently.

PROGRAM OBJECTIVE: To create and maintain a long-term record of early winter bird species and populations.

DATE INITIATED: 1900

COORDINATING AGENCY:

American Birds
National Audubon Society
950 Third Avenue
New York, NY 10022

FUNDING AGENCY:

National Audubon Society
Individuals Involved

PARTICIPATING AGENCY: National Audubon Society (NAS)

INVESTIGATORS:

Bird Count Editor	Geoffrey LeBaron	NAS

PARAMETERS:

All species and individuals observed are included in the count.

STATIONS: There are a total of 64 stations located throughout the Chesapeake Bay basin.

PROTOCOL: Volunteers from the National Audubon Society and regional bird clubs cover fixed circular areas 15 miles in diameter. A coordinator for each count assigns areas and days for each volunteer to cover, and develops a composite list of species and counts. All species and individuals observed are included in the count.

PROGRAM INTEGRATION: N/A

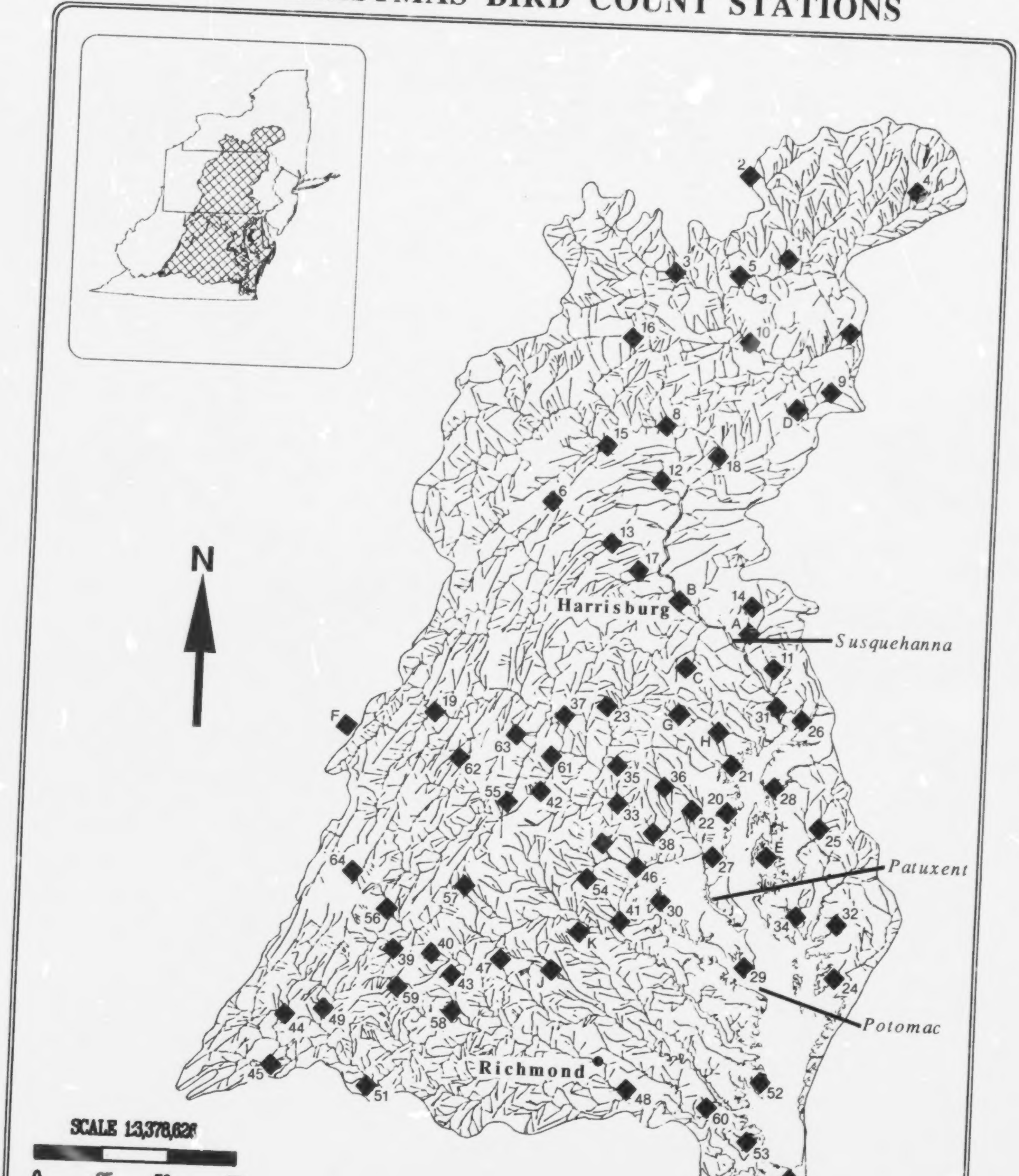
NATIONAL AUDUBON SOCIETY CHRISTMAS BIRD COUNT LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	42 11 00	75 58 00	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	BINGHAMTON, NY
10	41 43 00	76 17 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	SOUTHEASTERN BRADFORD COUNTY, P
11	39 49 00	76 10 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	SOUTHEASTERN LANCASTER COUNTY,P
12	40 56 00	76 59 00	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	LEWISBURG, PA
13	40 33 00	77 23 00	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	LEWISTOWN, PA
14	40 11 00	76 18 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	LITITZ, PA
15	41 08 00	77 22 00	AFL	SUSQUEHANNA	MIDDLE WEST BRANCH SUSQUEHANNA	2050203	LOCK HAVEN-JERSEY SHORE, PA
16	41 46 00	77 12 00	AFL	SUSQUEHANNA	TIOGA	2050104	MANSFIELD, PA
17	40 24 00	77 09 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	NEW BLOOMFIELD, PA
18	41 04 00	76 33 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	BLOOMSBURG, PA
19	39 35 00	78 41 00	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	ALLEGANY COUNTY, MD-WV
2	42 40 00	76 16 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050102	CORTLAND, NY
20	39 00 00	76 31 00	BFL	WEST CHESAPEAKE	SEVERN	2060004	ANNAPOLIS AND GIBSON ISLAND, MD
21	39 16 00	76 30 00	BFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BALTIMORE HARBOR, MD
22	39 00 00	76 47 00	BFL	PATUXENT	PATUXENT	2060006	BOWIE, MD
23	39 37 00	77 25 00	AFL	POTOMAC	MONOCACY	2070009	CATOCTIN MOUNTAIN, MD
24	38 02 00	75 45 00	BFL	EASTERN SHORE	POCOMOKE	2060009	CRISFIELD, MD
25	38 54 00	75 50 00	BFL	EASTERN SHORE	CHOPTANK	2060005	DENTON, MD
26	39 32 00	75 57 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	ELKTON, MD
27	38 45 00	76 38 00	BFL	PATUXENT	PATUXENT	2060006	JUG BAY, MD
28	39 08 00	76 11 00	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	LOWER KENT COUNTY, MD
29	38 06 00	76 25 00	LE-2	POTOMAC	LOWER POTOMAC	2070011	POINT LOOKOUT, MD
3	42 08 00	76 50 00	AFL	SUSQUEHANNA	CHEMUNG	2050105	ELMIRA, NY
30	38 29 00	77 02 00	BFL	POTOMAC	LOWER POTOMAC	2070011	PORT TOBACCO, MD
31	39 36 00	76 09 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	ROCK RUN, MD
32	38 20 00	75 44 00	BFL	EASTERN SHORE	NANTICOKE	2060008	SALISBURY, MD
33	39 04 00	77 20 00	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	SENECA, MD-VA
34	38 22 00	76 02 00	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	SOUTHERN DORCHESTER COUNTY, MD
35	39 17 00	77 21 00	AFL	POTOMAC	MONOCACY	2070009	SUGARLOAF MOUNTAIN, MD
36	39 09 00	76 59 00	AFL	PATUXENT	PATUXENT	2060006	TRIADELPHIA RESERVOIR, MD
37	39 34 00	77 44 00	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	WASHINGTON COUNTY, MD
38	38 52 00	77 04 00	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	WASHINGTON, D.C.
39	38 12 00	78 59 00	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	AUGUSTA COUNTY, VA
4	42 33 00	74 57 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	ONEONTA, NY
40	38 11 00	78 43 00	AFL	JAMES	RIVANNA	2080204	BIG FLAT MOUNTAIN, VA
41	38 22 00	77 20 00	BFL	POTOMAC	LOWER POTOMAC	2070011	BROOKE, VA
42	39 07 00	77 54 00	AFL	POTOMAC	SHENANDOAH	2070007	CALMES NECK, VA-WV
43	38 04 00	78 34 00	AFL	JAMES	RIVANNA	2080204	CHARLOTTESVILLE, VA
44	37 49 00	79 46 00	AFL	JAMES	UPPER JAMES	2080201	CLIFTON FORGE, VA
45	37 31 00	79 52 00	AFL	JAMES	UPPER JAMES	2080201	FINCASTLE, VA
46	38 41 00	77 12 00	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	FORT BELVOIR, VA
47	38 09 00	78 12 00	AFL	YORK	PAMUNKEY	2080106	GORDONSVILLE, VA
48	37 23 00	77 17 00	BFL	JAMES	LOWER JAMES	2080206	HOPEWELL, VA
49	37 51 00	79 29 00	AFL	JAMES	MAURY	2080202	LEXINGTON, VA
5	42 07 00	76 21 00	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	OWEGO, NY
50	36 51 00	76 06 00	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	LITTLE CREEK, VA
51	37 24 00	79 11 00	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	LYNCHBURG, VA
52	37 25 00	76 18 00	BFL	YORK	GREAT WICOMICO-PIANKATANK	2080102	MATHEWS, VA
53	37 05 00	76 25 00	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	NEWPORT NEWS, VA
54	38 37 00	77 33 00	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NOKESVILLE, VA
55	39 03 00	78 10 00	AFL	POTOMAC	SHENANDOAH	2070007	NOTHERN SHENANDOAH VALLEY, VA
56	38 26 00	79 02 00	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	ROCKINGHAM COUNTY, VA
57	38 35 00	78 28 00	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	SHENANDOAH NP LURAY, VA
58	37 51 00	78 33 00	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	WARREN, VA
59	37 59 00	78 57 00	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	WAYNESBORO, VA
6	40 48 00	77 48 00	AFL	SUSQUEHANNA	BALD EAGLE	2050204	STATE COLLEGE, PA
60	37 17 00	76 42 00	BFL	JAMES	LOWER JAMES	2080206	WILLIAMSBURG, VA
61	39 20 00	77 51 00	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	CHARLES TOWN, VW
62	39 20 00	78 30 00	AFL	POTOMAC	CACAPON-TOWN	2070003	HAMPSHIRE COUNTY, WV
63	39 27 00	78 06 00	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	INWOOD, WV
64	38 39 00	79 18 00	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	PENDLETON COUNTY, WV
7	41 46 00	75 31 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	THOMPSON, PA
8	41 15 00	76 56 00	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	WILLIAMSPORT, PA
9	41 25 00	75 40 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	SCRANTON, PA
A	40 00 00	76 22 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	LANCASTER, PA
B	40 13 00	76 56 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	HARRISBURG, PA

NATIONAL AUDUBON SOCIETY CHRISTMAS BIRD COUNT LOCATIONS (Cont'd)

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
C	39 49 00	76 51 00	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	YORK, PA
D	41 19 00	75 59 00	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	DALLAS AREA, PA
E	38 45 00	76 15 00	EE-2	EASTERN SHORE	CHOPTANK	2060005	ST. MICHAEL'S, MD
F	39 29 00	79 22 00	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	OAKLAND, MD
G	39 33 00	76 54 00	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	LIBERTY RESERVOIR, MD
H	39 24 00	76 36 00	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	BALTIMORE, MD
I	38 50 00	77 26 00	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	MANASSAS - BULL RUN, VA
J	38 05 00	77 49 00	AFL	YORK	PAMUNKEY	2080106	LAKE ANNA, VA
K	38 17 00	77 39 00	AFL	YORK	MATTAPONI	2080105	CHANCELLORSVILLE, VA

NAS CHRISTMAS BIRD COUNT STATIONS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Susquehanna
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USFWS BREEDING BIRD SURVEY

PROGRAM DESCRIPTION: The U.S. Fish and Wildlife Service Breeding Bird Survey is conducted by well qualified volunteers each June along specified car routes within states surrounding the Chesapeake Bay. These regional surveys are part of a larger cooperative program sponsored jointly by the U.S. Fish and Wildlife Service and the Canadian Wildlife Service.

PROGRAM OBJECTIVE: To estimate long-term population trends of the many species of birds that nest in North America north of Mexico and that migrate across international boundaries, and to identify short-term increases and decreases in these populations due to normal year to year variations, specific weather incidents, recovery periods following catastrophic declines, and invasions of exotic species.

DATE INITIATED: 1966

COORDINATING AGENCY:
U.S. Fish and Wildlife Service
Office of Migratory Bird Management
Patuxent Wildlife Research Center
Laurel, Maryland 20708

FUNDING AGENCY:
U.S. Fish and Wildlife Service
Office of Migratory Bird Management (OMBM)

PARTICIPATING AGENCIES:
U.S. Fish and Wildlife Service (FWS)
Canadian Wildlife Service (CWS)

INVESTIGATORS:

Program Coordinator	Sam Droege	FWS

PARAMETERS:

Sky condition
Wind speed
Temperature
Count of all species observed

STATIONS: The same routes are run year after year throughout New York, Pennsylvania, Maryland, Delaware, Virginia, andWest Virginia.

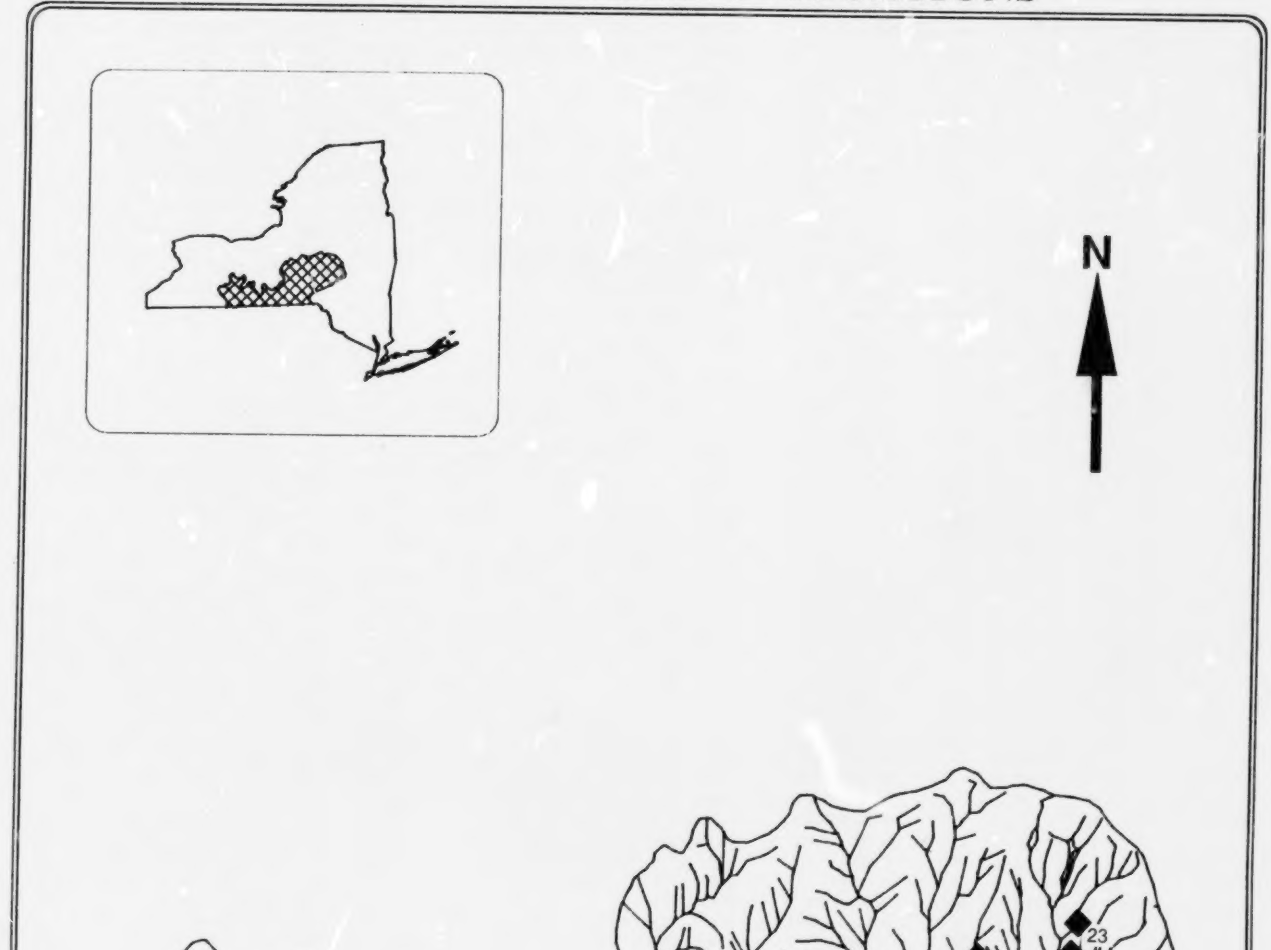
PROTOCOL: One morning each year in the month of June, volunteers well versed in breeding bird songs and calls conduct specific routes by car. Each route consists of 50 three-minute stops 0.8 km apart, starting 0.5 hour before sunrise. At each stop the observer stands near the car and records, on prepared forms, the total number of each bird species heard, as well as those seen within 400 meters. Sky condition, wind speed and temperature are recorded at the beginning and end of each route.

PROGRAM INTEGRATION: This survey, in conjunction with the Audubon Christmas Bird Count, permits comparison of summer and winter distribution of species that winter in the U.S.

BREEDING BIRD SURVEY - NEW YORK STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
123	42 33 59	74 53 37	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR MILFORD, NY
23	42 37 44	74 52 29	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR COOPERSTOWN, NY
24	42 22 57	74 56 15	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR MERIDALE, NY
29	42 33 47	75 10 45	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR LAURENS, NY
30	42 19 59	75 56 57	AFL	SUSQUEHANNA	CHENANGO	2050102	NEAR WHITNEY, NY
31	42 16 26	75 31 03	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR COVENTRYVILLE, NY
32	42 33 14	75 39 17	AFL	SUSQUEHANNA	CHENANGO	2050102	NEAR MCDONOUGH, NY
33	42 02 47	75 50 40	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR CORBETTSVILLE, NY
34	42 24 17	75 10 28	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR ONEONTA, NY
36	42 21 21	75 31 03	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR OXFORD, NY
38	42 20 17	76 03 51	AFL	SUSQUEHANNA	CHENANGO	2050102	NEAR LISLE, NY
39	42 12 43	76 12 08	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	NEAR E. NEWARK, NY

BREEDING BIRD SURVEY - NEW YORK STARTING LOCATIONS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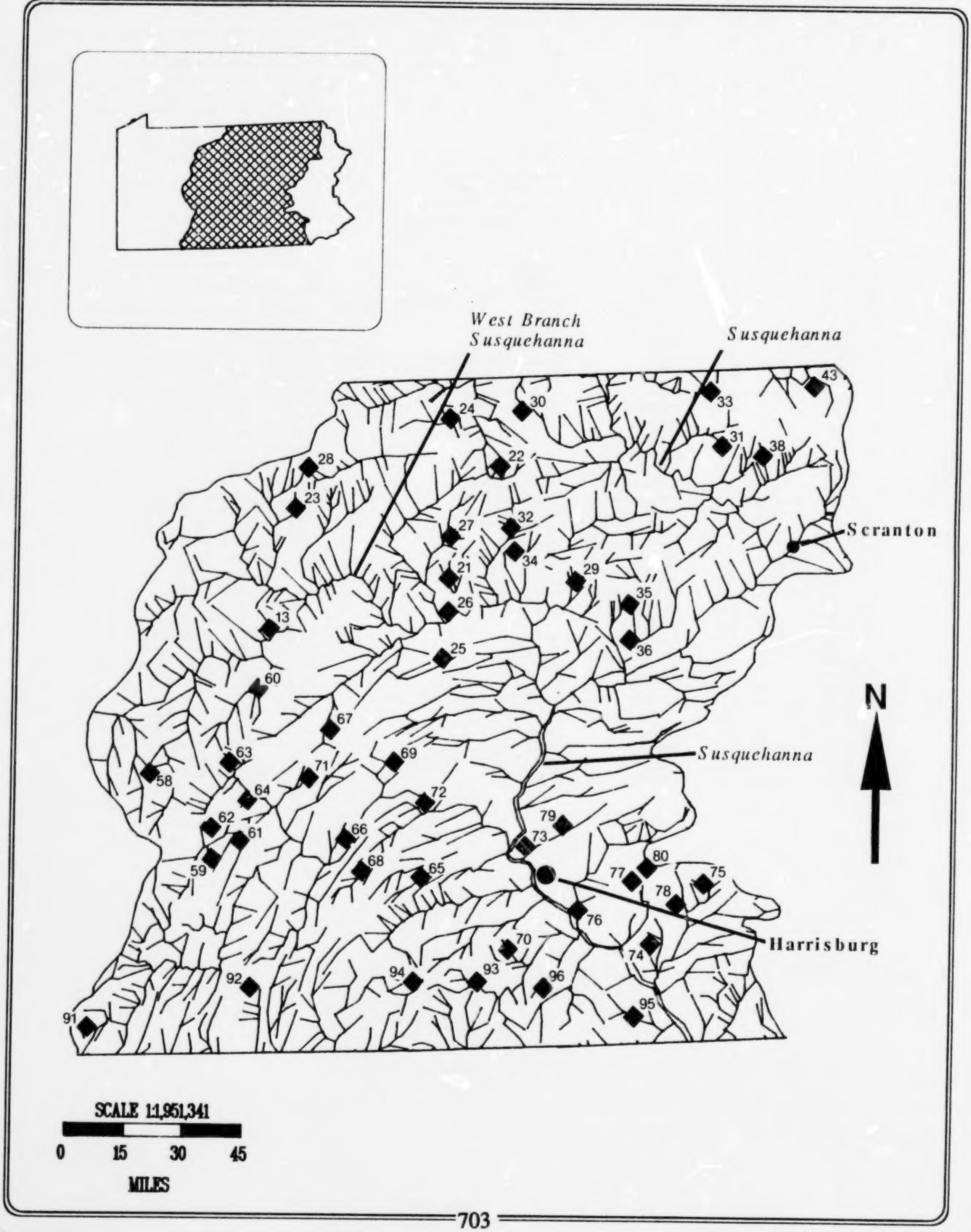
MILES

BREEDING BIRD SURVEY - PENNSYLVANIA STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
13	41 09 58	78 04 53	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050201	NEAR POTTERSDALE, PA
21	41 20 08	77 15 45	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	NEAR RAMSEY, PA
22	41 42 21	77 00 41	AFL	SUSQUEHANNA	TIOGA	2050104	NEAR ARNOT, PA
23	41 35 32	77 57 11	AFL	SUSQUEHANNA	SINNEMAHONING	2050202	NEAR LOGUE, PA
24	41 51 60	77 14 54	AFL	SUSQUEHANNA	TIOGA	2050104	NEAR LITTLE MARSH, PA
25	41 03 25	77 18 42	AFL	SUSQUEHANNA	BALD EAGLE	2050204	NEAR ROSECRANS, PA
26	41 13 19	77 15 38	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	NEAR ENGLISH CENTER, PA
27	41 28 10	77 14 47	AFL	SUSQUEHANNA	SINNEMAHONING	2050202	NEAR RAVENSBURG, PA
28	41 43 29	77 52 47	AFL	SUSQUEHANNA	PINE	2050205	NEAR CHERRY SPRS, PA
29	41 18 02	76 40 58	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	NEAR MAWR GLEN, PA
30	41 53 16	76 53 46	AFL	SUSQUEHANNA	CHEMUNG	2050105	NEAR AUSTINVILLE, PA
31	41 44 28	76 00 02	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	NEAR RUSH, PA
32	41 29 33	76 58 23	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	NEAR RALSTON, PA
33	41 55 57	76 02 43	AFL	SUSQUEHANNA	WEGO-WAPPASENING	2050103	NEAR BOW BRIDGE, PA
34	41 24 57	76 57 47	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	NEAR MARSH HILL, PA
35	41 13 06	76 26 43	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	NEAR WALLER, PA
36	41 05 23	76 27 42	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	NEAR MILLVILLE, PA
38	41 42 06	75 48 13	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	NEAR HOP BOTTOM, PA
43	41 55 58	75 34 09	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA	2050101	NEAR SUSQUEHANNA, PA
58	40 40 53	78 36 50	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050201	NEAR PATTON, PA
59	40 23 04	78 21 07	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR MARTINSBURG, PA
60	40 58 21	78 07 23	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050201	NEAR MUNSON, PA
61	40 27 10	78 12 46	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR WILLIAMSBURG, PA
62	40 29 56	78 20 50	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR BERSEYTOWN, PA
63	40 42 59	78 15 29	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR BALD EAGLE, PA
64	40 35 05	78 10 59	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR WATERSTREET, PA
65	40 18 28	77 24 36	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	NEAR DOUBLING GAP, PA
66	40 26 59	77 44 22	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	NEAR RYDE, PA
67	40 49 12	77 48 36	AFL	SUSQUEHANNA	BALD EAGLE	2050204	NEAR STATE COLLEGE, PA
68	40 21 01	77 40 48	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	NEAR PERU MILLS, PA
69	40 42 06	77 31 33	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	NEAR NAGINEY, PA
70	40 03 17	77 02 25	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR CLEAR SPRINGS, PA
71	40 39 21	77 54 23	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	NEAR PINE GR MILLS, PA
72	40 34 08	77 23 46	AFL	SUSQUEHANNA	LOWER JUNIATA	2050304	NEAR MIFFLINTOWN, PA
73	40 24 18	76 56 52	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	NEAR PETERS MT, PA
74	40 03 36	76 24 18	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR SPORTING HILL, PA
75	40 15 12	76 09 48	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR EPHRATA, PA
76	40 10 49	76 43 53	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	NEAR MIDDLETOWN, PA
77	40 16 52	76 28 48	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	NEAR MT GRETNA, PA
78	40 10 55	76 17 27	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR BRUNNERSVILLE, PA
79	40 28 24	76 46 42	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	NEAR CARSONVILLE, PA
80	40 19 16	76 24 43	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	NEAR SCHAEFFERSTON, PA
91	39 49 11	78 55 20	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR WARRENS MILL, PA
92	39 56 33	78 11 09	AFL	SUSQUEHANNA	RAYSTOWN	2050303	NEAR NEEDMORE, PA
93	39 57 02	77 10 54	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR ASPERS, PA
94	39 57 34	77 27 36	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR BIG FLAT, PA
95	39 48 17	76 29 43	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR GATCHELVILLE, PA
96	39 55 05	76 53 22	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	NEAR LABOTT, PA

BREEDING BIRD SURVEY - PENNSYLVANIA STARTING LOCATIONS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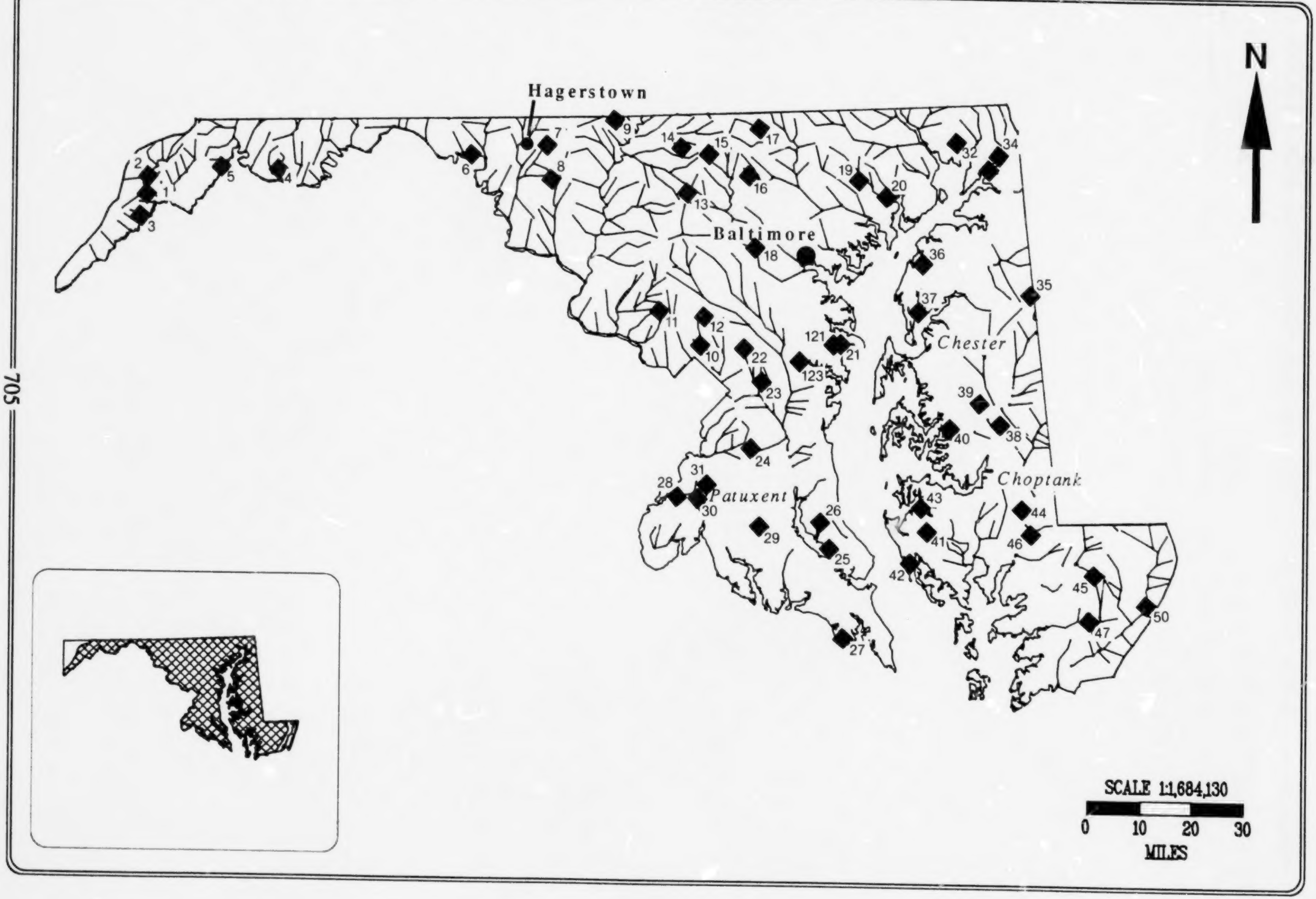
MILES

BREEDING BIRD SURVEY - MARYLAND STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 30 45	79 07 30	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR FLOYD, MD
10	39 02 08	77 01 14	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEAR SILVER SPRING, MD
11	39 08 25	77 10 48	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	NEAR OLNEY, MD
12	39 06 58	76 59 51	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEAR NORWOOD, MD
121	39 01 48	76 30 48	BFL	WEST CHESAPEAKE	SEVERN	2060004	NEAR SEVERNA PARK, MD
123	38 59 12	76 38 40	BFL	WEST CHESAPEAKE	SEVERN	2060004	NEAR DAVIDSONVILLE, MD
13	39 29 19	77 03 29	AFL	POTOMAC	MONOCACY	2070009	NEAR WARFIELDSBURG, MD
14	39 37 21	77 04 18	AFL	POTOMAC	MONOCACY	2070009	NEAR PLEASANT VALLEY, MD
15	39 36 42	76 58 17	AFL	POTOMAC	MONOCACY	2070009	NEAR BACHMAN MILL, MD
16	39 32 14	76 48 49	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NEAR FOWBLESBURG, MD
17	39 40 28	76 45 39	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NEAR EKLO, MD
18	39 20 03	76 48 34	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NEAR RANDALLSTOWN, MD
19	39 30 43	76 23 45	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NEAR UPPER CROSSROADS, MD
2	39 33 35	79 07 08	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR MT NEBO, MD
20	39 28 00	76 17 58	AFL	WEST CHESAPEAKE	GUNPOWDER-PATAPSCO	2060003	NEAR VAN BIBBER, MD
21	39 01 46	76 30 04	BFL	WEST CHESAPEAKE	SEVERN	2060004	NEAR JONES, MD
22	39 01 11	76 51 23	BFL	PATUXENT	PATUXENT	2060006	NEAR BELTSVILLE, MD
23	38 55 31	76 47 41	BFL	PATUXENT	PATUXENT	2060006	NEAR LARGO, MD
24	38 43 50	76 50 34	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEAR CHRISTENHAM, MD
25	38 25 42	76 33 25	BFL	PATUXENT	PATUXENT	2060006	NEAR BROOMES ISLAND, MD
26	38 30 30	76 35 18	BFL	PATUXENT	PATUXENT	2060006	NEAR POINT REPUBLIC, MD
27	38 09 49	76 32 14	BFL	POTOMAC	LOWER POTOMAC	2070011	NEAR TALL TIMBERS, MD
28	38 35 55	77 07 03	BFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEAR LA PLATA, MD
29	38 30 09	76 49 10	BFL	POTOMAC	LOWER POTOMAC	2070011	NEAR HUGHESVILLE, MD
3	39 26 52	79 09 06	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR VINDEX, MD
30	38 35 14	77 03 10	BFL	POTOMAC	LOWER POTOMAC	2070011	NEAR POMONKEY, MD
31	38 36 21	77 00 07	BFL	POTOMAC	LOWER POTOMAC	2070011	NEAR POMFRET, MD
32	39 36 38	76 01 09	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR THEODORE, MD
33	39 31 52	75 54 19	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR NORTHEAST, MD
34	39 33 45	75 52 17	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR ELKTON, MD
35	39 09 33	75 45 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR MILLINGTON, MD
36	39 15 31	76 09 32	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR MELITOTA, MD
37	39 07 07	76 11 30	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR PINEY NECK, MD
38	38 46 32	75 53 29	BFL	EASTERN SHORE	CHOPTANK	2060005	NEAR HARMONY, MD
39	38 50 27	75 58 07	BFL	EASTERN SHORE	CHOPTANK	2060005	NEAR MATTHEWS, MD
4	39 35 04	78 37 23	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR OLD TOWN, MD
40	38 46 34	76 04 58	BFL	EASTERN SHORE	CHESTER-SASSAFRAS	2060002	NEAR EASTON, MD
41	38 27 54	76 10 54	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NEAR GOLDEN HILL, MD
42	38 22 46	76 15 22	BFL	EASTERN SHORE	CHOPTANK	2060005	NEAR HONGA, MD
43	38 32 20	76 11 40	BFL	EASTERN SHORE	CHOPTANK	2060005	NEAR MADISON, MD
44	38 31 21	75 48 50	BFL	EASTERN SHORE	NANTICOKE	2060008	NEAR VIENNA, MD
45	38 18 55	75 33 37	BFL	EASTERN SHORE	BLACKWATER-WICOMICO	2060007	NEAR FRUITLAND, MD
46	38 26 24	75 47 30	BFL	EASTERN SHORE	NANTICOKE	2060008	NEAR MARDELA, MD
47	38 10 32	75 35 29	BFL	EASTERN SHORE	POCOMOKE	2060009	NEAR COKESBURY, MD
5	39 35 40	78 50 44	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR POTOMAC PARK, MD
50	38 13 44	75 22 05	BFL	EASTERN SHORE	POCOMOKE	2060009	NEAR SNOW HILL, MD
6	39 37 24	77 52 48	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR WILLIAMSPORT, MD
7	39 38 26	77 35 31	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR SMITHSBURG, MD
8	39 32 27	77 34 52	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR WOLFSVILLE, MD
9	39 42 31	77 19 40	AFL	POTOMAC	MONOCACY	2070009	NEAR EMMITSBURG, MD

BREEDING BIRD SURVEY STATIONS - MARYLAND STARTING LOCATIONS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SCALE 1:1,684,130
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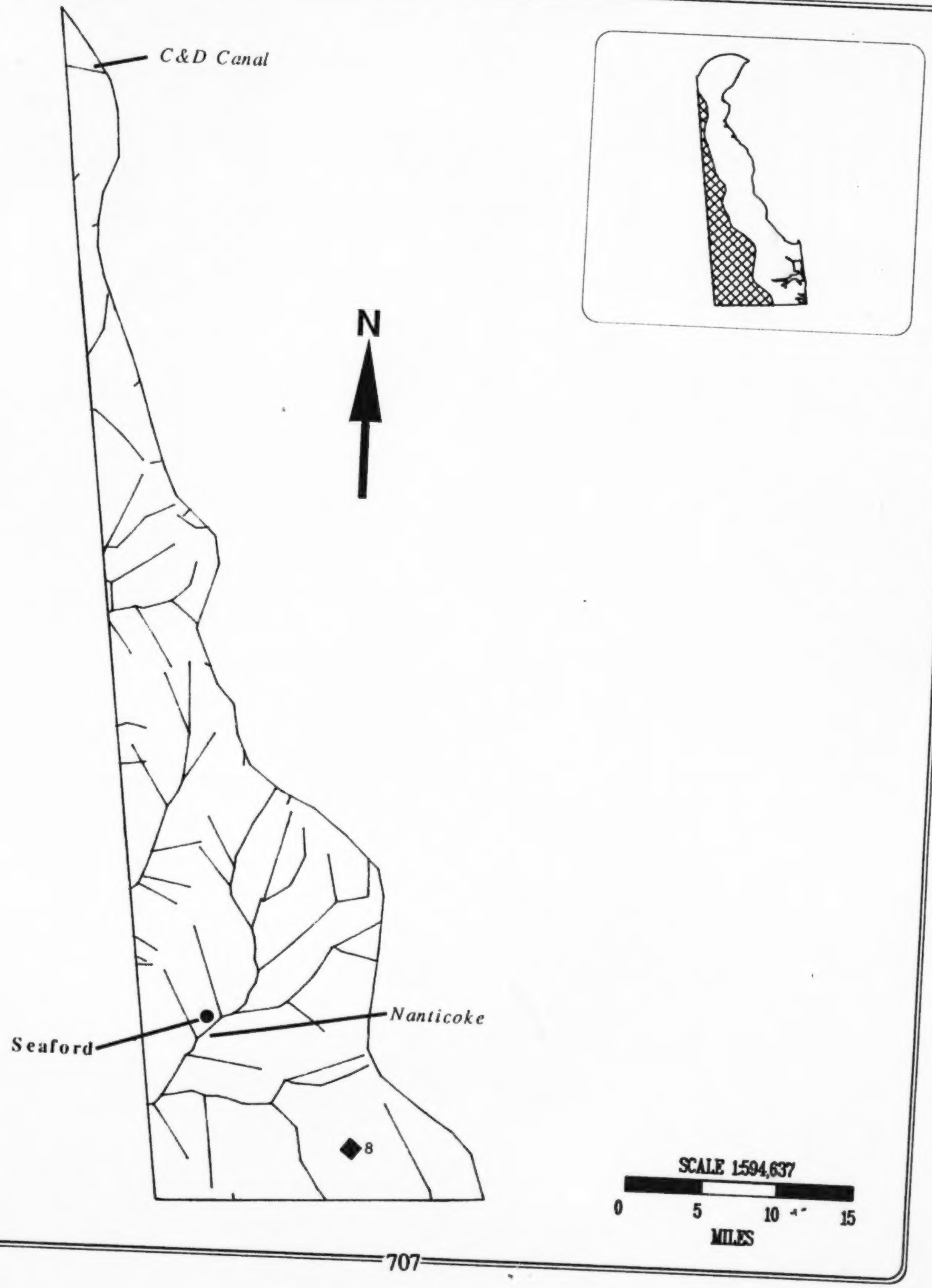
MILES

BREEDING BIRD SURVEY - DELAWARE STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN		HUC	DESCRIPTION
8	38 30 39	75 26 58	BFL	EASTERN SHORE	NANTICOKE		2060008	NEAR LOWES CROSSROADS, DE

BREEDING BIRD SURVEY STATIONS - DELAWARE STARTING LOCATIONS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SCALE 1:594,637
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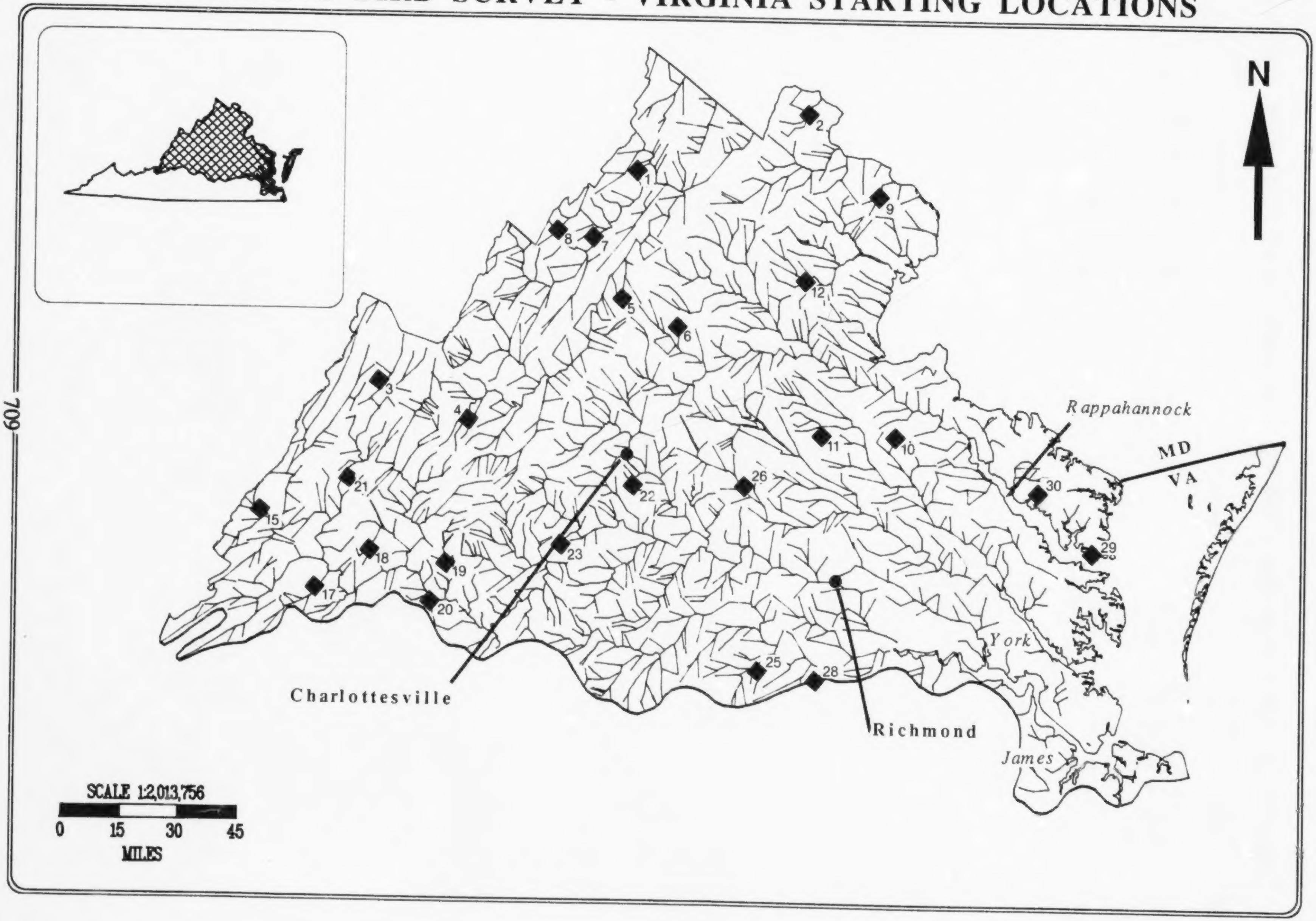
MILES

BREEDING BIRD SURVEY - VIRGINIA STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	39 02 14	78 23 18	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	NEAR STAR TANNERS, VA
10	38 04 31	77 14 45	BFL	YORK	MATTAPONI	2080105	NEAR PORT ROYAL, VA
11	38 05 07	77 34 01	AFL	YORK	MATTAPONI	2080105	NEAR PARTLOW, VA
12	38 38 00	77 38 11	AFL	POTOMAC	MIDDLE POTOMAC-ANACOSTIA-OCCOQUA	2070010	NEAR DAVID, VA
15	37 49 29	80 06 01	AFL	JAMES	UPPER JAMES	2080201	NEAR COVINGTON, VA
17	37 33 35	79 51 21	AFL	JAMES	UPPER JAMES	2080201	NEAR FINCASTLE, VA
18	37 40 57	79 36 21	AFL	JAMES	MAURY	2080202	NEAR NATURAL BRIDGES, VA
19	37 38 36	79 16 20	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	NEAR AMHERST, VA
2	39 13 22	77 36 30	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	NEAR TAYLORSTOWN, VA
20	37 30 48	79 21 05	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	NEAR BIG ISLAND, VA
21	37 56 36	79 42 16	AFL	JAMES	UPPER JAMES	2080201	NEAR COVESVILLE, VA
22	37 54 48	78 26 11	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	NEAR CARTERS BRIDGE, VA
23	37 42 32	78 46 16	AFL	JAMES	MIDDLE JAMES-BUFFALO	2080203	NEAR SHIPMAN, VA
25	37 15 18	77 52 35	AFL	JAMES	APPOMATTOX	2080207	NEAR MANNBORO, VA
26	37 54 06	77 55 28	AFL	YORK	PAMUNKEY	2080106	NEAR HALL, VA
28	37 13 09	77 37 31	AFL	JAMES	APPOMATTOX	2080207	NEAR CHURCH ROAD, VA
29	37 39 05	76 22 33	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NEAR WHITE STONE, VA
3	38 17 22	79 34 27	AFL	JAMES	UPPER JAMES	2080201	NEAR WEST AUGUSTA, VA
30	37 52 00	76 36 34	BFL	RAPPAHANNOCK	LOWER RAPPAHANNOCK	2080104	NEAR SHARPS, VA
4	38 10 03	79 10 01	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	NEAR CHURCHVILLE, VA
5	38 35 06	78 28 28	AFL	POTOMAC	SOUTH FORK SHENANDOAH	2070005	NEAR STANLEY, VA
6	38 28 20	78 12 58	AFL	RAPPAHANNOCK	RAPIDAN-UPPER RAPPAHANNOCK	2080103	NEAR TRYME, VA
7	38 48 07	78 36 16	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	NEAR EDINBURG, VA
8	38 49 24	78 45 27	AFL	POTOMAC	NORTH FORK SHENANDOAH	2070006	NEAR JEROME, VA
9	38 55 52	77 17 01	AFL	POTOMAC	MIDDLE POTOMAC CATOCTIN	2070008	NEAR GREAT FALLS, VA

BREEDING BIRD SURVEY - VIRGINIA STARTING LOCATIONS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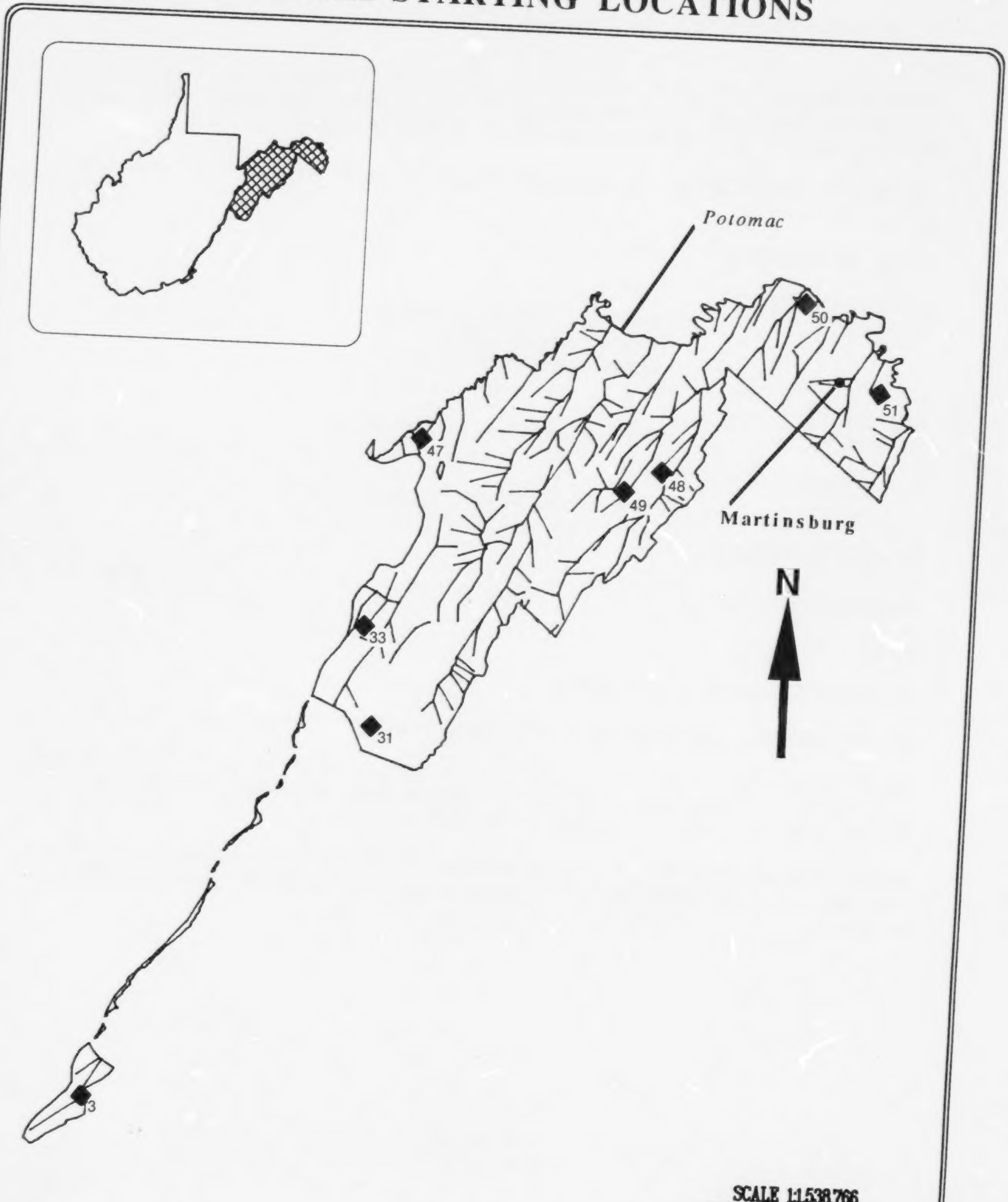
MILES

BREEDING BIRD SURVEY - WEST VIRGINIA STARTING LOCATIONS

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
3	37 33 38	80 20 03	AFL	JAMES	UPPER JAMES	2080201	NEAR PEDRO, WVA
31	38 30 59	79 27 16	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	NEAR SUGAR GROVE, WVA
33	38 46 50	79 29 12	AFL	POTOMAC	SOUTH BRANCH POTOMAC	2070001	NEAR MD OF SENECA, WVA
47	39 14 59	79 20 24	AFL	POTOMAC	NORTH BRANCH POTOMAC	2070002	NEAR MT. STORM, WVA
48	39 11 51	78 32 16	AFL	POTOMAC	CACAPON-TOWN	2070003	NEAR YELLOW SPRINGS, WVA
49	39 09 14	78 39 49	AFL	POTOMAC	CACAPON-TOWN	2070003	NEAR RIO, WVA
50	39 37 41	78 05 23	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR SLEEPY CREEK, WVA
51	39 24 29	77 50 16	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	NEAR MARTINSBURG, WVA

BREEDING BIRD SURVEY - WEST VIRGINIA STARTING LOCATIONS


Potomac
Martinsburg
47
48
49
50
51
33
31
3
N
SCALE 1:1,538,766
0
10
20
30
MILES

PENNSYLVANIA BREEDING PAIRS WATERFOWL SURVEY

PROGRAM DESCRIPTION: The Pennsylvania Breeding Pairs Survey is conducted in late April or early May of each year either on foot or by canoe along specified routes. Observations of breeding pairs are performed for approximately one week until all routes are covered.

PROGRAM OBJECTIVE: To monitor breeding waterfowl for use as an indicator of short- and long-term trends.

DATE INITIATED: 1983

COORDINATING AGENCY:

Pennsylvania Game Commission
2001 Elmerton Avenue
Harrisburg, Pennsylvania 17110

FUNDING AGENCY: Pennsylvania Game Commission

PARTICIPATING AGENCY: Pennsylvania Game Commission (PGC)

INVESTIGATORS:

Program Coordinator	Fred Hartman	PGC

PARAMETERS:

Number of Breeding Pairs of Waterfowl

STATIONS: The same routes are run each year throughout the Susquehanna River basin.

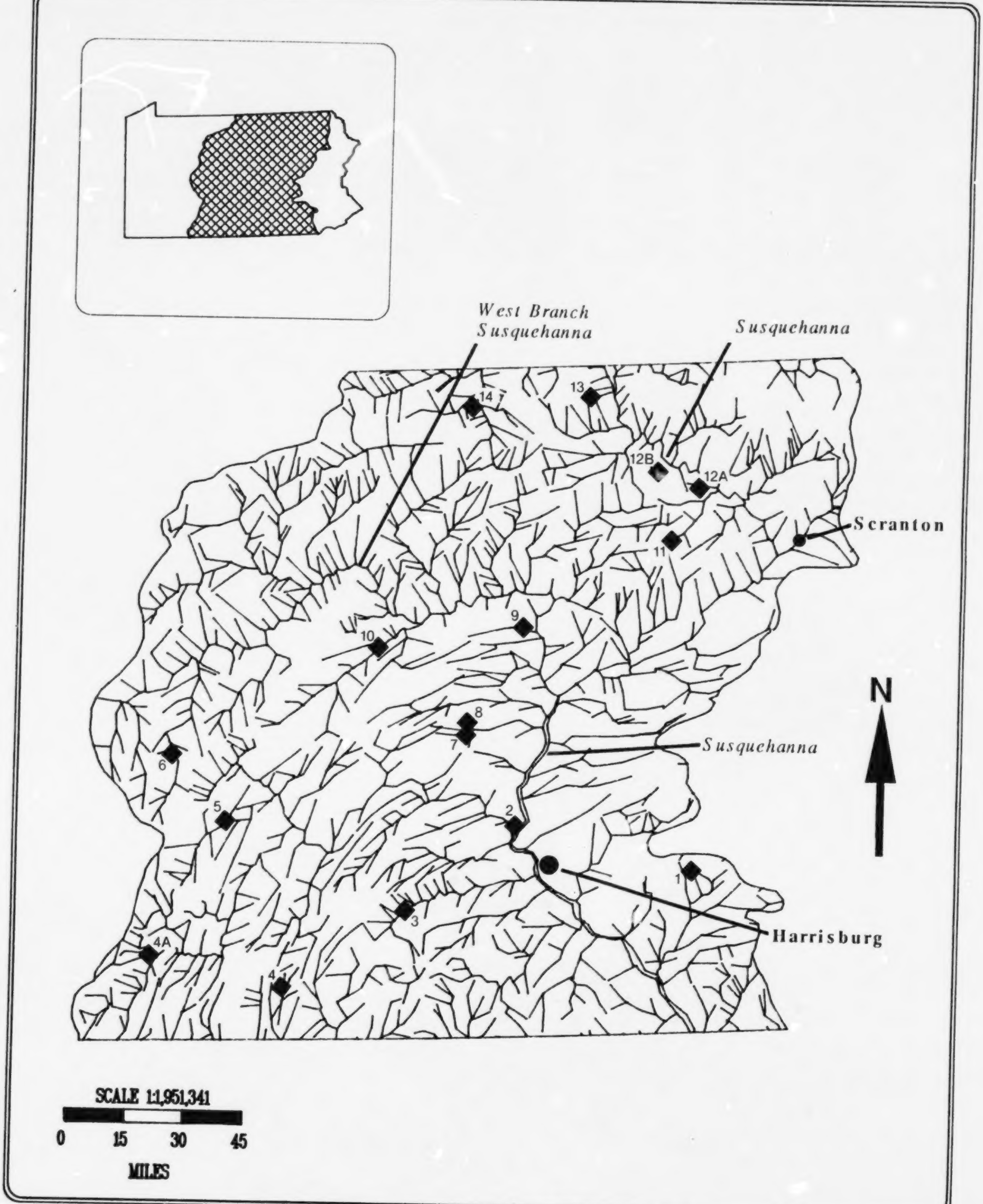
PROTOCOL: Surveys are conducted for approximately 1 week in late April/early May of each year. One or two routes are covered in the early morning each day either in a canoe or on foot. Number of breeding pairs of waterfowl observed are recorded.

PROGRAM INTEGRATION: Annual waterfowl banding has been ongoing in the area since 1975 and pre-season banding is often conducted on some of the waterfowl observed in this survey.

PENNSYLVANIA BREEDING PAIRS WATERFOWL SURVEY

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	40 16 25	76 14 40	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA	2050306	STATE GAME LANE MEAR CACALICO/R
10	41 03 40	77 36 54	AFL	SUSQUEHANNA	BALD EAGLE	2050204	BALD EAGLE STATE PARK NEAR HOWA
11	41 24 14	76 16 59	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	RT 487 ON THE MEHOOPANY RIVER
12A	41 34 53	76 08 50	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	JENNINGSVILLE
12B	41 37 43	76 20 58	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-TUNKHANNOCK	2050106	NEW ERA
13	41 55 05	76 37 23	AFL	SUSQUEHANNA	CHEMUNG	2050105	STATE GAME LAND #239/WOLCOTT CR
14	41 52 18	77 08 43	AFL	SUSQUEHANNA	TIOGA	2050104	RT 287 NEAR TIOGA, TIOAGA - HAM
2	40 25 34	77 00 02	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	SUSQUEHANNA RIVER NEAR AMITY HA
3	40 09 55	77 29 52	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-SWATARA	2050305	BETWEEN I-76 AND 641 NEAR GREEN
4	39 54 09	78 03 28	AFL	POTOMAC	CONOCOCHEAGUE-OPEQUON	2070004	MEADOW GROUNDS LAKE
4A	40 01 40	78 37 19	AFL	SUSQUEHANNA	RAYSTOWN	2050303	SHAWNEE STATE PARK
5	40 28 24	78 16 59	AFL	SUSQUEHANNA	UPPER JUNIATA	2050302	CANOE CREEK STATE PARK
6	40 41 48	78 32 22	AFL	SUSQUEHANNA	UPPER WEST BRANCH SUSQUEHANNA	2050201	PRINCE GALLITZIN STATE PARK
7	40 45 47	77 12 51	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	RT 235 NEAR BENFER
8	40 47 54	77 11 5[illegible]	AFL	SUSQUEHANNA	LOWER SUSQUEHANNA-PENNS	2050301	RT 235 NEAR TROXELVILLE
9	41 07 21	76 58 13	AFL	SUSQUEHANNA	LOWER WEST BRANCH SUSQUEHANNA	2050206	RT 44 NEAR ALLENWOOD

PENNSYLVANIA BREEDING PAIRS WATERFOWL SURVEY


West Branch Susquehanna
Susquehanna
14
13
12B
12A
Scranton
11
10
9
8
7
6
5
2
1
3
4A
4
Susquehanna
Harrisburg
N
SCALE 1:1,951,341
0
15
30
45
MILES

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING PROGRAM - BIRD COMPONENT

PROGRAM DESCRIPTION: The Susquehanna Steam Electric Station Monitoring Program - Bird Component is one part of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station (Susquehanna SES). Through this program population studies, of winter and breeding birds are conducted each year. A study of "species of special concern" is also conducted. This study focuses on species named on the "Species of Special Concern" list compiled by the Pennsylvania Biological Survey in 1985. The program involves monitoring the presence, breeding status and relative abundance of these species within an eight kilometer radius of the Susquehanna SES plant. Birds impacted by cooling towers are also recorded, although this is not considered monitoring for the purposes of this atlas.

PROGRAM OBJECTIVE: To evaluate the environmental impact of the Susquehanna SES on bird populations by comparing preoperational (pre-1983) and present bird studies.

DATE INITIATED: 1971 (except 1975 and 1976)

COORDINATING AGENCIES:

Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Ecology III, Inc.
Susquehanna SES Biological Laboratory
R.D. 1
Berwick, Pennsylvania 18603

FUNDING AGENCIES:

Pennsylvania Power and Light Company
Allegheny Electric Cooperative, Inc.

PARTICIPATING AGENCIES:

Pennsylvania Power and Light Company (PP&L)
Ecology III, Inc. (EIII)

INVESTIGATORS:

Program Director	Jerome S. Fields	PP&L
Principal Investigator	Douglas A. Gross	EIII

PARAMETERS:

Time
Weather Conditions

Winter Bird Studies:
Species Identification
Each Species:
Frequency
Mean Density
Relative Density

Breeding Bird Studies:
Species Identification
Each Species:
Sex
Behavioral Activity
Number of pairs
Densities (pairs/acre^2)
Relative Density

STATIONS: There are two forest plots at which these studies are currently being conducted: Township Road 419 Forest and Council Cup Forest.

Note: The latitude and longitude given in the Stations Listing approximate the center of each plot.

SAMPLE COLLECTION: Bird population studies are conducted annually. Identifications are made in the field or in the laboratory using references listed in Gross and Montgomery, 1986. Time and weather conditions are reported during each count.

Winter bird studies are conducted seven times from December 15 to February 28. All counts are begun prior to 0900 hours. A route along transect lines is followed in such way as to cover all sections of the plot without overlap. Each bird is counted and identified either visually or audibly with frequency, mean density and relative density calculated for each species.

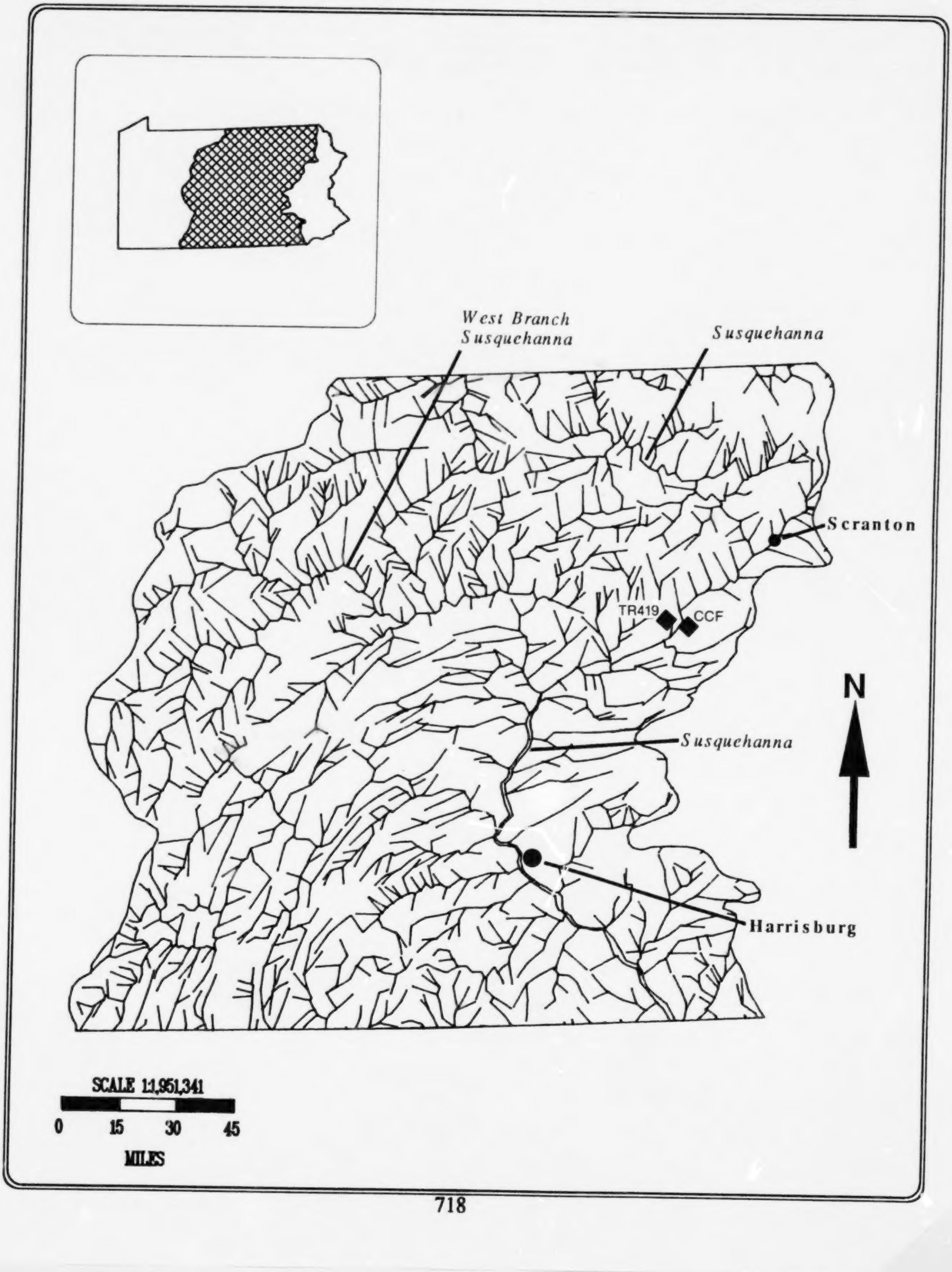
Breeding bird studies are conducted between April 12 and July 31. Some observations of breeding bird activity are made during winter counts and nest searches continued until September 14. Birds are counted by the spot-mapping method in which each contact with a bird is located and registered on a daily count map. The species, sex and behavioral activity (e.g. singing, aggression, nest building) are noted for each bird. Counts are begun within one hour of sunrise and conducted in early morning when activity is greatest. Data from count is analyzed to estimate the number of breeding pairs of each species. Registered contacts on the daily count maps are transferred to species maps for each plot. The number of breeding pairs is usually found by counting the number of clusters formed by the registrations of conspicuous territorial males. The number of breeding pairs is rounded to the nearest half number. When a species is represented by less than 0.5 pair per territory it is assigned a value of 0.1 for the sake of analysis. Some birds are separable from their neighbor because they are banded. For each species, density and relative density are calculated.

PROGRAM INTEGRATION: The Susquehanna Steam Electric Station Monitoring Program - Bird Component is one component of an ongoing ecological study of the Susquehanna River in the vicinity of the Susquehanna Steam Electric Station.

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - BIRD COMPONENT

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CCF	41 04 42	76 06 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	COUNCIL CUP FOREST
TR419	41 07 05	76 08 39	AFL	SUSQUEHANNA	UPPER SUSQUEHANNA-LACKAWANNA	2050107	TOWNSHIP ROAD 419 FOREST

SUSQUEHANNA STEAM ELECTRIC STATION MONITORING STATIONS - BIRD COMPONENT


West Branch Susquehanna
Susquehanna
Scranton
TR419
CCF
N
Susquehanna
Harrisburg
SCALE 1:1,951,341
0
15
30
45
MILES

MARYLAND WATERFOWL BREEDING SURVEY

PROGRAM DESCRIPTION: The Maryland Waterfowl Breeding Survey is conducted by the Maryland Department of Natural Resources (MDDNR) annually in late April along predetermined sections of tidal and nontidal streams and rivers throughout the state. These areas are surveyed by boat and fixed-winged aircraft. Additionally, selected state wildlife management areas managed primarily for waterfowl are surveyed by MDDNR aerial survey crews along predetermined transects (800 feet intervals) in late April. In 1989 the state waterfowl breeding survey will be modified to meet the objectives of a longer cooperative program being initiated by the Atlantic Waterfowl Council. Approximately 140, 1 km^2 random plots will be surveyed beginning in April 1989.

PROGRAM OBJECTIVE: To evaluate the effects of large scale game-farm mallard releases upon native waterfowl breeding population. To estimate long-term population trends of breeding waterfowl which nest in Maryland and to evaluate the effects of waterfowl habitat management upon breeding waterfowl on state wildlife management areas.

DATE INITIATED: 1963

COORDINATING AGENCY:

Maryland Department of Natural Resources
Forest, Park and Wildlife Service
P.O. Box 68
Wye Mills, Maryland 21679

FUNDING AGENCY:

Maryland Department of Natural Resources
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES: Maryland Department of Natural Resources (MDDNR)

INVESTIGATORS:

Migratory Bird Program Manager	Larry J. Hindman	MDDNR

PARAMETERS:

- Singles, pairs and groups of breeding mallards, black ducks, gadwall, blue-winged teal, wood ducks and Canada geese
- Numbers of nonbreeding waterfowl species
- Numbers of passerine birds
- Numbers of wading birds
- Numbers of raptors

Note: All parameters are not measured at every station.

STATIONS: The same stream and river sections are surveyed each year throughout the state at approximately 50 survey areas. State wildlife management areas surveyed include South March Island, Deal Island, Fairmount, Cedar Island, Fishing Bay, Taylors Island, Pocomoke Sound, Apes Hole, and E. A. Vaughn.

SAMPLE COLLECTION: Ground survey crews initiate stream surveys one-half hour before sunrise and terminate at 10:00 am. Breeding waterfowl observed are classified into singles, pairs and groups. All other wildlife observed are recorded by observers. Aerial survey crews conduct similar surveys at an altitude of 300 feet and airspeeds of 90-100 mph when winds do not exceed 15 mph.

PROGRAM INTEGRATION: This survey provides long-term trends of waterfowl breeding populations in Maryland.

VIRGINIA BALD EAGLE SURVEY

PROGRAM DESCRIPTION: The Virginia Bald Eagle Survey covers the Virginia waters of the Chesapeake Bay including all major tributaries and the Eastern Shore. It is carried out from March through July by experienced observers in single engine aircraft as well as by boat, car and foot surveys. This survey is performed concurrently with similar studies in other mid-Atlantic states to monitor the continuing recovery of the bald eagle.

PROGRAM OBJECTIVE: To determine hatching and fledgling success of bald eagles in Virginia. To identify ownership of nesting areas and concentration areas of bald eagles and to develop management agreements and protection strategies where possible for these areas. To monitor eagle concentration areas and to determine the effect of human activity on these areas. To make an intensive study of the bald eagle population and occupied habitat on the James River and to develop an overall management strategy for the area. To provide other states with young eagles for recovery and re-establishment efforts.

DATE INITIATED: January 1977

COORDINATING AGENCY:

Virginia Department of Game and Inland Fisheries
4010 West Broad Street
P.O. Box 11104
Richmond, Virginia 23230

FUNDING AGENCIES:

Virginia Department of Game and Inland Fisheries
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES:

Virginia Department of Game and Inland Fisheries (VDGIF)
College of William and Mary (W&M)

INVESTIGATORS:

Pilot-in-charge	Sherwin Beck	Pvt.
Principle Investigator	M.A. Byrd	W&M
Principle Investigator	Karen A. Terwilliger	VDGIF
Principle Investigator	Dana S. Bradshaw	VDGIF

PARAMETERS:

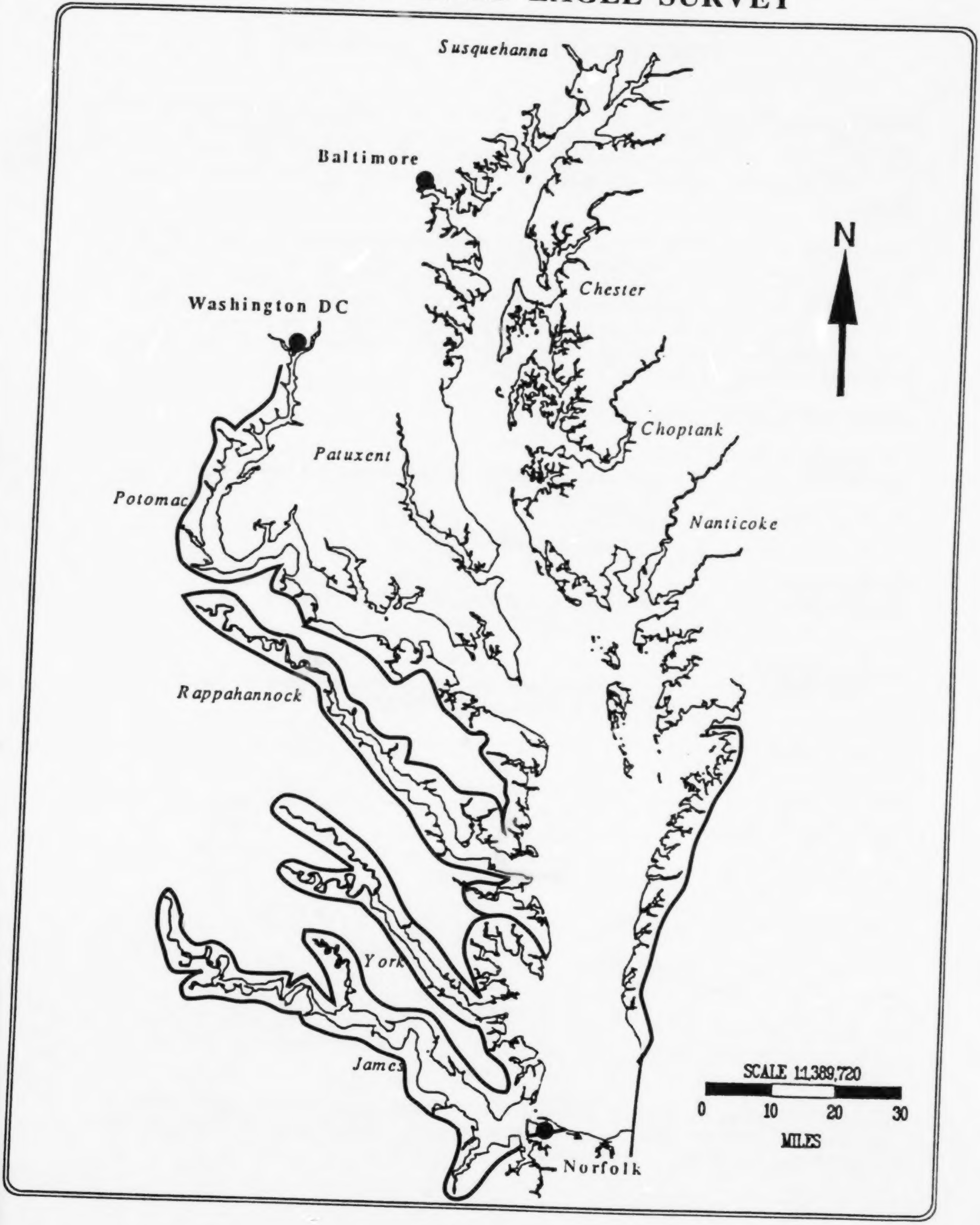
Bald Eagle Population Status

STATIONS: There are five segments created along lines of the following river systems: the Potomac, Rappahannock, York, Mattaponi, Pamunkey, James, Chickahominy, and the Eastern Shore.

SAMPLE COLLECTION: The study is conducted annually for about 20 weeks from March through July. It is performed from a single engine airplane at 50-150 m altitude, paralleling shorelines to survey coastal habitat along each tributary in each segment. A smaller amount of driving is also done to reach and monitor land-based roost areas for observation, as well as for researching land ownerships.

PROGRAM INTEGRATION: Information from this project will be used in the Virginia Department of Game and Inland Fisheries data base as well as in the state's Natural Heritage Program species inventory data base for evaluating environmental impacts of coastal development. In addition, this survey is performed concurrently with similar studies in other mid-Atlantic states to monitor the continuing recovery of the bald eagle.

VIRGINIA BALD EAGLE SURVEY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Baltimore
Chester
N
Washington DC
Choptank
Patuxent
Potomac
Nanticoke
Rappahannock
York
James
SCALE 1:1,389,720
0
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20
30
MILES
Norfolk

VIRGINIA COLONIAL BIRD STUDY

PROGRAM DESCRIPTION: The Virginia Colonial Bird Study is conducted entirely on the coastal plain and Eastern Shore of Virginia from April through July. It is carried out by experienced observers by boat, car and on foot as well as in fixed-wing aircraft. Population surveys are conducted on all relevant species to determine current status and accumulate trend information.

PROGRAM OBJECTIVE: To coordinate the protection and management of colonial birds in the state. To detect changes in population number as well as population shifts. To sample nesting success in colonies of a selected species each year. To conduct preliminary studies on the effects and extent of predation on colonial breeders. To locate, map and describe all existing yellow-crowned night heron colonies and single nests in tidewater Virginia. To locate and map all potential habitats for future observation and management. To evaluate human impacts on heron populations in residential areas in tidewater Virginia.

DATE INITIATED: May 1975

COORDINATING AGENCY:

Virginia Department of Game and Inland Fisheries
4010 West Broad Street
Box 11104
Richmond, Virginia 23230

FUNDING AGENCIES:

Virginia Department of Game and Inland Fisheries
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES:

Virginia Department of Game and Inland Fisheries (VDGIF)
College of William and Mary (W&M)

INVESTIGATORS:

Pilot-in-charge	Sherwin Beck	Pvt.
Principle Investigator	M.A. Byrd	W&M
Principle Investigator	R.A. Beck	W&M
Principle Investigator	Karen A. Terwilliger	VDGIF
Principle Investigator	Dana S. Bradshaw	VDGIF

PARAMETERS:

Colonial bird species surveyed on the western shore including:

Great Egrets
Great Blue Herons
Yellow-crowned Night Herons
Cattle Egrets
Least Terns
Common Terns
Black Skimmers
Piping Plovers
Oystercatchers

STATIONS: There are numerous colonies located throughout the Virginia coastal plain. Locations of 10 least tern and great egret colonies observed are shown. Location of great blue heron colonies are not available at this time.

SAMPLE COLLECTION: The study is conducted annually for about 16 weeks from April through July. Survey method (driving, boat, on foot or in fixed-wing aircraft) is determined by the species involved.

PROGRAM INTEGRATION: Information from this project will be stored in the Virginia Department of Game and Inland Fisheries data base as well as in the state's Natural Heritage Program species inventory data base, to be used by state agencies for environmental impact statements and public education information.

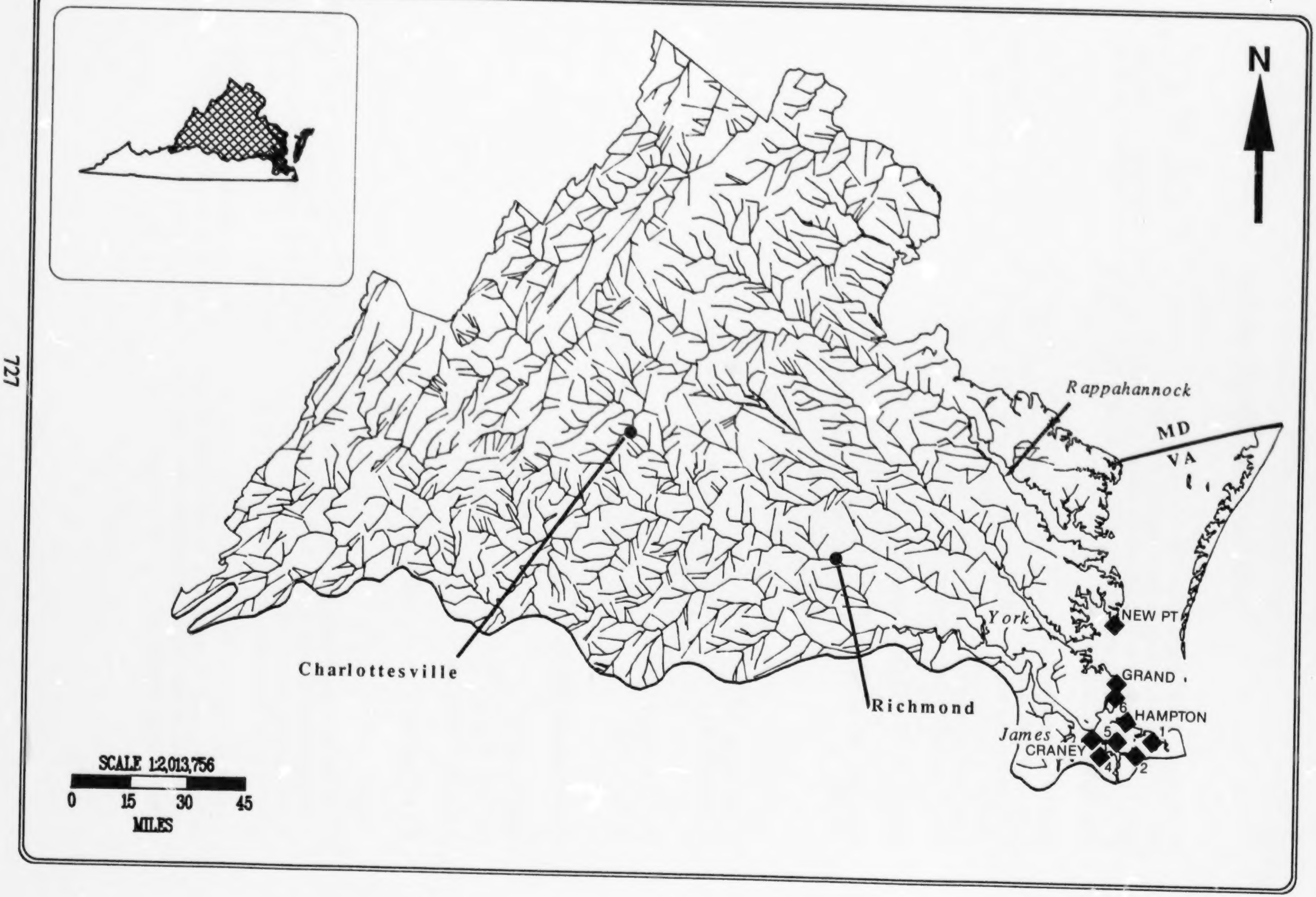
VIRGINIA COLONIAL BIRD STUDY - LEAST TERN COLONIES

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
CRANEY	36 55 00	76 22 00	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	CRANEY ISLAND
GRAND	37 06 00	76 17 00	WE-4	YORK	GREAT WICOMICO-PIANKATANK	2080102	GRANDVIEW BEACH
HAMPTON	36 59 00	76 18 00	CB-8	CHESBAY	LOWER CHESAPEAKE BAY	2080101	HAMPTON ROADS TUNNEL
NEW PT	37 18 00	76 16 00	CB-6	CHESBAY	LOWER CHESAPEAKE BAY	2080101	NEW POINT COMFORT

VIRGINIA COLONIAL BIRD STUDY - GREAT EGRET COLONIES

STATION NAME(S)	LATITUDE DDMMSS	LONGITUDE DDMMSS	CBP SEGMENT	BASIN	SUB-BASIN	HUC	DESCRIPTION
1	36 53 00	76 08 00	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	LITTLE CREEK
2	36 50 00	76 13 00	LE-5	JAMES	LOWER JAMES	2080206	KEMPSVILLE
4	36 51 00	76 22 00	BFL	JAMES	LYNNHAVEN-POQUOSON	2080108	NORFOLK SOUTH
5	36 54 00	76 19 00	LE-5	JAMES	LOWER JAMES	2080206	NORFOLK NORTH
6	37 03 00	76 18 00	BFL	JAMES	HAMPTON ROADS	2080208	HAMPTON

VIRGINIA COLONIAL BIRD STATIONS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GRAND
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HAMPTON
James
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1
CRANEY
4
2
Charlottesville
Richmond
SCALE 1:2,013,756
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MILES

VIRGINIA OSPREY STUDY

PROGRAM DESCRIPTION: The Virginia Osprey Study covers the Virginia waters of the Chesapeake Bay including major tributaries and inland impoundments east of I-95. It is carried out from April through June by experienced observers in daily boat surveys and fixed wing aircraft. Productivity of a designated sample of 350-400 nests is determined by direct visitation a total of three times per breeding season.

PROGRAM OBJECTIVE: To determine total breeding population size through aerial and ground surveys. To determine hatching and fledgling success of a sample of osprey nests representative of all of the major estuaries as well as the Eastern shore of Virginia. To coordinate transfer of young ospreys from Virginia to other states involved in re-introduction programs. To make detailed studies at nests in areas of high pre-fledgling mortality and areas of low pre-fledgling mortality to determine causes of differential rates of survival.

DATE INITIATED: May 1971

COORDINATING AGENCY:

Virginia Department of Game and Inland Fisheries
4010 West Broad Street
Box 11104
Richmond, Virginia 23230

FUNDING AGENCIES:

Virginia Department of Game and Inland Fisheries
U.S. Fish and Wildlife Service

PARTICIPATING AGENCIES:

Virginia Department of Game and Inland Fisheries (VDGIF)
College of William and Mary (W&M)

INVESTIGATORS:

Pilot-in-charge	Sherwin Beck	Pvt.
Principle Investigator	M.A. Byrd	W&M
Principle Investigator	Karen A. Terwilliger	VDGIF
Principle Investigator	Dana S. Bradshaw	VDGIF

PARAMETERS:

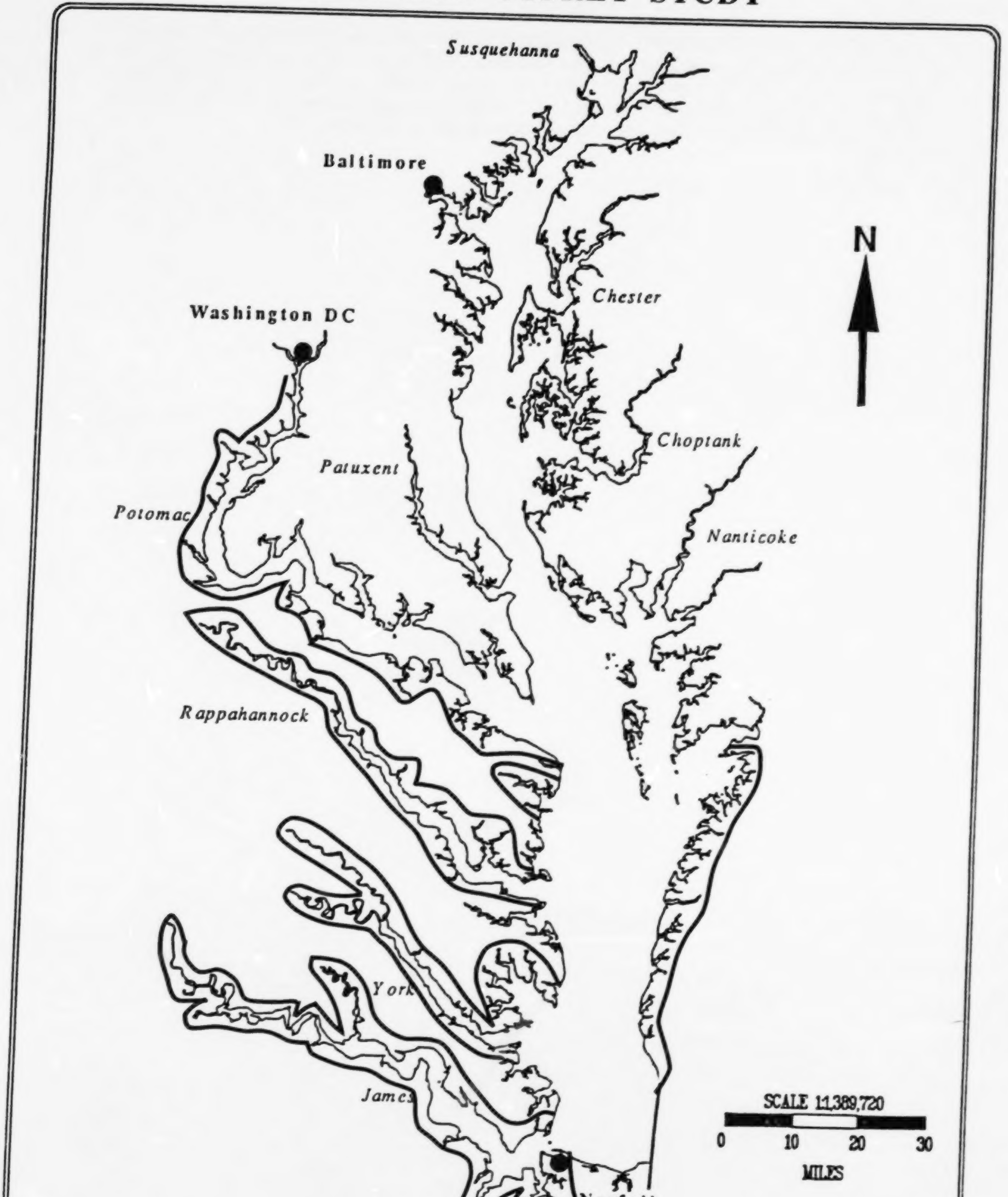
Osprey

STATIONS: There are nine regions with data collected by region for comparative purposes: the James and Chickahominy rivers; York, Mattaponi and Pamunkey rivers; Potomac River; Rappahannock River; Mobjack Bay and New Point Comfort; Fleets Bay and Great Wicomico River; Lower Tidewater; Eastern Shore; and Inland Impoundments.

SAMPLE COLLECTION: The study is conducted each spring and summer for about 12 weeks from April through June. It is performed primarily by daily boat surveys as weather permits plus at least one aerial survey to cover inaccessible areas. A minimal amount of the survey is conducted by automobile.

PROGRAM INTEGRATION: Information from this project will be used in the Virginia Department of Game and Inland Fisheries data base (FWIS) and will be accessible to the state's Natural Heritage Program species inventory data base. In addition, this survey will be used by various state agencies for environmental impact statements and as a basis for working with the U.S. Coast Guard on problems with ospreys nesting on navigational aids.

VIRGINIA OSPREY STUDY


Susquehanna
Baltimore
Washington DC
Chester
Choptank
Patuxent
Potomac
Nanticoke
Rappahannock
York
James
Norfolk
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MILES

VIRGINIA SEA TURTLE SURVEY

PROGRAM DESCRIPTION: The Virginia Sea Turtle Survey is conducted every year with the migration of Loggerhead, Kemp's Ridley, Leatherback and Green turtles from approximately May to October. This survey involves the reporting of data on dead turtles from a variety of agencies and individuals in Maryland and Virginia, reporting of data and the tagging of live turtles from cooperating fishermen, aerial surveys and biotelemetry in Virginia.

PROGRAM OBJECTIVE: To provide information necessary to manage and conserve threatened or endangered turtle species in the Chesapeake Bay.

DATE INITIATED: 1979 [1982 for Aerial Survey]

COORDINATING AGENCY:

College of William and Mary
Virginia Institute of Marine Science
Sea Turtle Research Division
Gloucester Point, Virginia 23062

FUNDING AGENCY: NOAA, National Marine Fisheries Service

PARTICIPATING AGENCY: Virginia Institute of Marine Science (VIMS)

INVESTIGATORS:

Principal Investigator	Jack A. Musick	VIMS

PARAMETERS:

Dead and Live Turtles:
Location
Species
Length of Carapace

Turtles by VIMS Personnel (if possible):
Weight
Width of Carapace, Plastron and Head

Autopsy (if possible):
Sex
Cause of Death
Stomach Contents

Aerial Surveys:
Distribution
Population Density

STATIONS: Aerial surveys are flown over the Virginia portion of the Chesapeake Bay.

SAMPLE COLLECTION: This survey involves various modes of data collection involving the examination and measurement of live and dead turtles, aerial surveys, and biotelemetry.

A network of cooperating individuals and agencies volunteer to examine and report data on dead, stranded turtles in both Maryland and Virginia. Data reported include location, species identification and carapace length. When VIMS personnel are able to examine the specimens, the additional morphological measurements of weight, length and width of carapace, plastron and head are taken, and an autopsy performed. Internal examination includes determination of sex, cause of death and analysis of stomach contents.

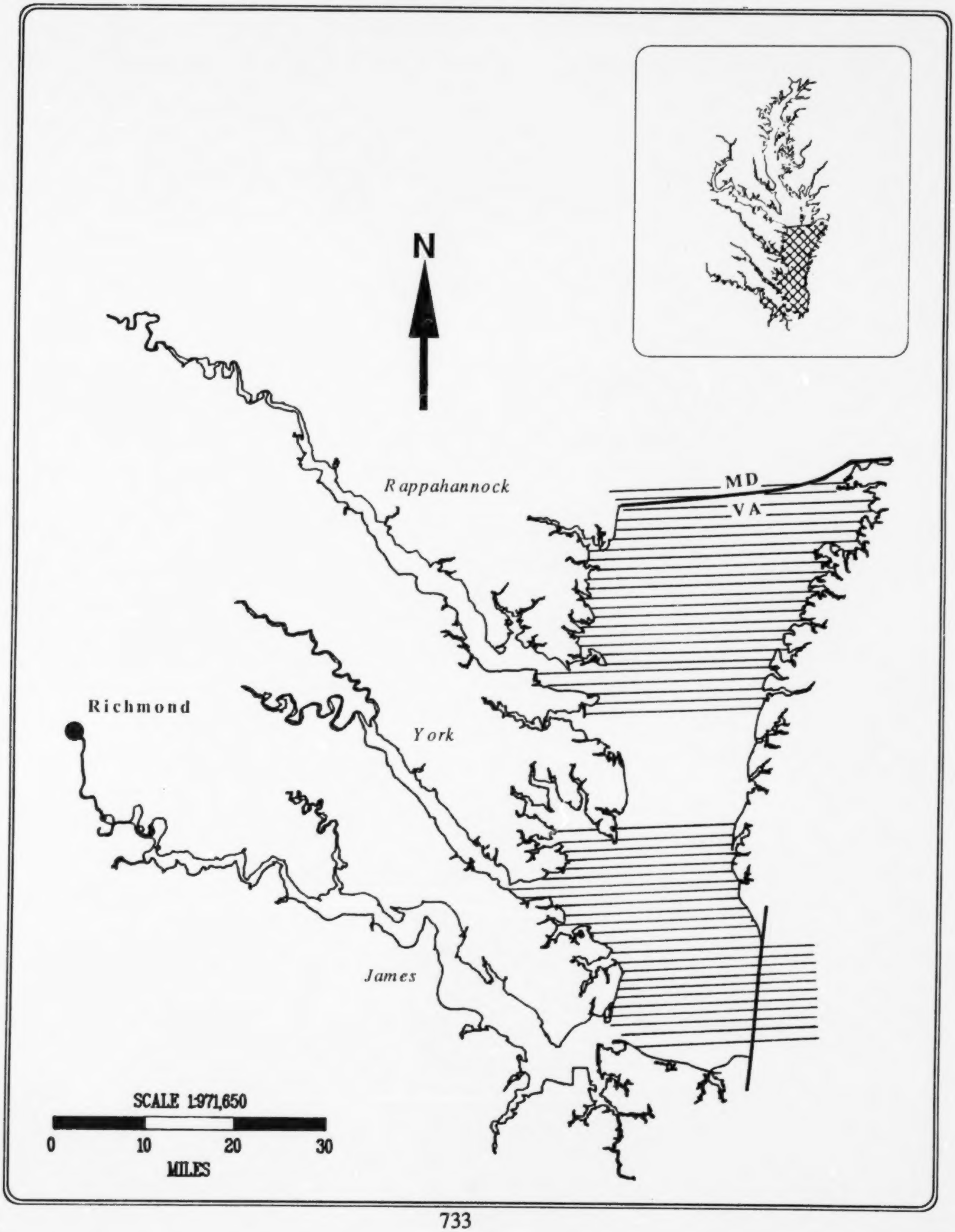
Live turtles are provided by local cooperating fishermen. Morphological measurements are made and numbered tags applied to both front flippers for future identification of individuals, and the individuals are released. Turtles that appear healthy may be used for telemetric studies. Sick turtles are rehabilitated prior to release.

Aerial surveys have been flown over the Virginia portion of the Bay since 1982 to determine distribution and estimate population densities of loggerheads. (The surveys are applicable only to loggerheads as the other species are much smaller and more difficult to observe, and have little habitat and behavioral data related to them.) These surveys are conducted in a DeHavilland Beaver at an altitude of 152m. Previous studies showed that most turtles are seen in a 250m wide strip on either side of the airplane. Therefore data is only used from these strips with the total area surveyed equal to the linear km flown multiplied by 0.5 km (250m x 2 observers). This number divided by the number of turtles observed yields relative density (i.e. density of turtles at the surface). Because only the turtles at the surface are observed in aerial surveys, the relative density is multiplied by the surface adjustment factor (the inverse of the proportion of the time spent at the surface) to provide estimated population density. This is extrapolated to estimate population size for the area monitored. Surveys are also flown from Cape Henry, Virginia to Cape Hatteras, North Carolina up to 28 km offshore to determine the timing and size of the migratory population of loggerheads.

Telemetric studies involve the attachment of radio and/or sonic transmitters to the rear of the carapace. Sonic signals are used to maintain contact with individual turtles. Radio signals, which are can only be received by directional antennas when the turtle is at the surface, provide information about the surfacing behavior of individuals.

PROGRAM INTEGRATION: N/A

VIRGINIA SEA TURTLE SURVEY


N
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Rappahannock
Richmond
York
James
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